Orange County Sanitation District

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Agenda Report Details (With Text)

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Title:	APPROVE PURCHASE OF AN EPA 624.1 PURGE & TRAP GAS CHROMATOGRAPH-MASS SPECTROMETRY (GC-MS) SYSTEM				
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Date	Ver.	Action By	Action	Result
4/22/2020	1	BOARD OF DIRECTORS		

FROM: James D. Herberg, General Manager
Originator: Lan C. Wiborg, Director of Environmental Services

SUBJECT:

APPROVE PURCHASE OF AN EPA 624.1 PURGE & TRAP GAS CHROMATOGRAPH-MASS SPECTROMETRY (GC-MS) SYSTEM

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

Approve a purchase order to VWR for a Purge & Trap Gas Chromatograph-Mass Spectrometry (GC-MS) System in the amount of $115,226 plus applicable sales tax, which includes the GC-MS system, freight, and three (3) additional years of service at a discounted rate.

BACKGROUND

The purge and trap gas chromatographic / mass spectrometer (P&T GC/MS) system is used for determining volatile organic compounds in wastewater and industrial wastewater via EPA Method 624. This system is required to support compliance testing as required by the Orange County Sanitation District's (Sanitation District) NPDES permit. The system is also used to provide testing required by the Sanitation District's Resource Protection Division. Additionally, the lab has added the analysis of 1,4-dioxane using the P&T GC/MS system in to support the GWRS and other 1,4-dioxane projects since October 2012.

RELEVANT STANDARDS

- Ensure the public's money is wisely spent

- Comply with environmental permit requirements
- Maintain a culture of improving efficiency to reduce the cost to provide the current service level or standard
- Cultivate a highly qualified, well-trained, and diverse workforce

PROBLEM

This request is to replace an aging system which is 10 years old and has exceeded the manufacturer serviceable life of 7-10 years. The instrument downtime has increased due to its age and the additional samples being analyzed. Higher maintenance of the current P&T GCMS has increased the cost the keeping it in operation particularly relating to parts availability and service maintenance cost. Purchasing a replacement P&T GC/MS system would provide the lab with a more reliable system with current technology and sensitivity needed to handle more samples so we can provide the best level of service for our customers.

PROPOSED SOLUTION

Approve a purchase order to VWR for the purchase of a Purge & Trap Gas Chromatograph-Mass Spectrometry (GC-MS) System in the amount of $115,226 plus applicable sales tax to replace the current system.

TIMING CONCERNS

Potential cost and down time may increase if the current system is not replaced in a timely manner.

RAMIFICATIONS OF NOT TAKING ACTION

Loss of EPA Method 624.1 California ELAP certification.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

N/A

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of the Sanitation District's Purchasing Ordinance. This item has been budgeted. (Line item: Section 8, Page 96). Project contingency funds will not be used for this purchase.

ATTACHMENT

The following attachment(s) may be viewed on-line at the OCSD website (www.ocsd.com) with the complete agenda

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