



**AGENDA  
STAFF REPORT**

**STEVE ROBBINS**  
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75515 Hovley Lane East  
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**Agenda Number: G**

**Section Name: CONSENT CALENDAR**

**File ID: 0421.1 Chromium 6 Plan**

**Project ID:**

**MEETING DATE:** May 28, 2025

**SUBJECT:** Authorize the General Manager to execute Task Order No. 4 to the Professional Services Agreement (PSA) with West Yost & Associates, Inc. in the amount of \$58,995 for Engineering Services to perform RCF Treatment Bench Scale Testing as part of the Hexavalent Chromium Treatment Evaluation Project and approve additional expenditures for a total request of \$100,000.

**TO:** BOARD OF DIRECTORS

**FROM:** ENGINEERING/ADMINISTRATION, CARRIE OLIPHANT

**GENERAL MANAGER  
RECOMMENDATION:**

**RECOMMENDATION:**

Authorize the General Manager to execute Task Order No. 4 to the Professional Services Agreement (PSA) with West Yost & Associates, Inc. in the amount of \$58,995 for Engineering Services to perform RCF Treatment Bench Scale Testing as part of the Hexavalent Chromium Treatment Evaluation Project.

It is also recommended that the Board approve the following additional expenditures:

- Contingency: \$41,005
  - contingency funds to replenish contingency for the overall project and to use for sample collection, laboratory analysis and other related sampling and testing services related to this task order

The total cost of this request is \$100,000.

**BUDGET IMPACT:**

The Hexavalent Chromium Treatment Evaluation Project (DW2301) is a multi-year project. The project is included in the Domestic Water Fund Fiscal 2024-2025 Capital Improvement Budget in the amount of \$1,671,070. The costs associated with this request are \$100,000. Therefore, there will be no adverse impact to the budget by approving request.

**PROCUREMENT METHOD:**

**X** N/A

**If other, please explain:** Procurement for the PSA with West Yost was through a formal RFP and selected in accordance with CVWD procurement guidelines.

**BACKGROUND**

CVWD staff has been working with West Yost & Associates (West Yost) since January 2024 to develop a compliance plan to comply with the newly adopted Hexavalent Chromium Maximum Contaminant Level (MCL) of 10 parts per billion. Staff has reviewed both treatment and non-treatment alternatives. Based on hydraulic modeling and water quality data, staff is recommending drilling new wells and installing four clustered water treatment facilities. The proposed water treatment technology is reduction coagulation filtration (RCF) as it appears to be the most cost-effective treatment technology for CVWD's wells.

To ensure that RCF is the most effective treatment technology, staff is recommending to enter into Task Order No. 4 with West Yost to perform RCF bench scale testing on CVWD's domestic water to inform the next phases of the hexavalent chromium implementation plan. The scope of work includes the following:

- Develop a test plan
- Conduct bench-scale jar testing
- Conduct data analysis and prepare a report

This testing will provide additional information regarding the reduction times and ferrous doses required for CVWD's domestic water to achieve compliance with the hexavalent chromium MCL. In addition, the results will be used to determine initial RCF pilot testing conditions, operational impacts on filter performance, and backwash characterization.

Each of the ten (10) wells that are expected to be treated for hexavalent chromium will be included in the testing and analysis.

**PRIOR BOARD ACTION:**

- On January 23, 2024, the Board approved the PSA with West Yost to evaluate options to comply with the hexavalent chromium maximum contaminant level (\$1,141,191).
- On August 13, 2024, the Board approved Task Order No. 1 to the PSA with West Yost for the Stannous Chloride Implementation Plan (\$1,372,827).

**DISTRICT STRATEGIC PLAN GOAL(S)/OBJECTIVES(S):**

N/A

**ENVIRONMENTAL IMPACT:**

This is not a project as defined by CEQA; therefore, approval does not require any CEQA action.

**PUBLIC NOTICE REQUIRED**

N/A

**LEGAL REVIEW**

N/A

**ATTACHMENTS**

Att 1 - Task Order No. 4 with West Yost

