

OPERATIONS & WATER QUALITY COMMITTEE
SUMMARY MINUTES
January 8, 2020
4:15 p.m.

ATTENDANCE

Directors: Judy Huang (Chair), John Weed

Staff: Robert Shaver, Kurt Arends, Mike Wickham, Cris Pena, Jake Reed, Ranga Sampath, Johanna Sayo, Thomas Spankowski, Caroline Abellar, Uriel Moreno-Ortiz



DISCUSSION TOPICS

1. AWIA Consultant Agreement: Caroline Abellar, Emergency and Security Services Planner, presented a summary of how the District will become compliant with American Water Infrastructure Act (AWIA). Ms. Abellar explained that AWIA requires completion of a Risk and Resilience Assessment and development of an Emergency Response Plan incorporating previous efforts and existing documents. The scope of work to become compliant begins with a gap analysis of current District assessments and plans to determine what additional assessments need to be conducted and what plans need to be created. Upon conclusion of the gap analysis, an analysis of critical assets will be conducted. The analysis will utilize the industry standard AWWA J100 Risk Analysis for Management of Critical Asset Protection. At the completion of the assessment, CIP level recommendations will be made on how to better prepare the assets to face threats from man-made and natural hazards. In addition, necessary plans will be written to help mitigate the effects each threat can have on critical assets. After reviewing the proposed scope of work, Ms. Abellar stated that Jacobs was recommended to be awarded the contract after a competitive procurement process. A staff report to award this agreement will be on January's Board meeting agenda.

The Committee members asked several clarifying questions about the scope of work and the deadlines associated with the AWIA. Director Weed expressed interest in the District's ability to respond to a major event such as an earthquake.

Staff will return to the Committee after the completion of the AWIA contract to discuss the risk and resilience assessments, plans created, and possible next steps in furthering the District's emergency preparedness.

2. Tank and Reservoir Cleaning Contract: Thomas Spankowski, Environmental Engineer, provided an overview of the District's Tank and Reservoir Cleaning Program. The District owns and operates 13 drinking water storage facilities and has an ongoing program to conduct regular cleaning and inspection of all treated water tanks and reservoirs.

The preferred method of cleaning is to use underwater divers who specialize in cleaning potable water storage facilities. Cleaning of tanks and reservoirs with this method minimizes water loss and the length of time the facility will be out of service. Also, this method allows the facility to return to service quickly in the event of an emergency. It was explained that

regular cleaning of storage facilities removes sediments that could harbor bacteria and increase the demand for chlorine. Mr. Spankowski described the diving procedures, vacuum cleaning process, and best management practices for sediment control and dechlorination.

In 2019, staff developed an updated two year contract with three one-year extensions. The contract has the potential to be worth \$409,000 over a 5-year period. A multi-year contract has multiple advantages, including reducing staff time preparing additional bid documents, and provides more predictable costs in the future years of the contract.

Mr. Spankowski stated that staff plans to clean Middlefield Reservoir and the Hidden Valley Tank in fiscal year 2020/21.

Director Huang asked when Patterson Reservoir will be cleaned. Mr. Spankowski explained that Patterson Reservoir will be drained and cleaned under a separate contract during the spring of 2020.

3. Update on Lead Service Line Inventory: Uriel Moreno-Ortiz, Environmental Engineer, provided an update on the District's Lead Service Line Inventory (LSLI). Mr. Moreno-Ortiz summarized previous progress on the LSLI project and gave an overview of Senate Bill 1398 which was signed into law in 2016 and amended by Senate Bill 427 in 2017. Together these bills required all public water systems (PWS) to compile and submit an inventory of known partial or total lead service lines and service lines of unknown material to the State Water Resources Control Board (SWRCB) by July 1, 2018. In addition, each PWS will be required to submit information on the existence or absence of lead service lines in the distribution system and provide a timeline for the replacement of known lead service lines (and replacement of service lines of unknown lead content), to the SWRCB by July 1, 2020.

At the end of the first phase, staff identified 12,165 services of unknown material, and by the end of 2018, that number had been reduced to 8,029. For the final phase of the project, the District hired a Temporary Engineering Technician to help identify the remaining 8,029 unknown service lines. Staff used varying techniques, including the review of existing documents, database mining, District standards, and institutional knowledge, to further reduce the number of unknown service lines to 3,701. Statistical analysis, followed by field verification, was then used to identify these remaining service lines and determined that the District has no known lead service lines within its service area. Mr. Moreno-Ortiz explained that the replacement schedule for 410 service lines of unknown material which were already planned for replacement as part of the CIP, will be submitted to the SWRCB by the July 1, 2020 deadline.

4. Overview of Proposed Lead & Copper Rule Revisions: Ranga Sampath, Environmental Engineer, provided an overview of the Environmental Protection Agency's (EPA's) proposed revisions to the lead and copper rule (LCR) and the District's support of the proposed revisions in addition to the comments the District will submit on some elements of the proposed revisions. Primary areas of the proposed revisions where the District is seeking clarifications and will be commenting on include; (1) elimination of calcium carbonate stabilization as an indicator of corrosion control treatment effectiveness, (2) lead testing in

drinking water at schools and child care facilities, and (3) lead service line inventory. Mr. Sampath explained that one of the proposed revisions may require the District to change the parameter currently monitored for LCR compliance. The District is requesting clarification on whether the monitoring of current water quality parameters would be compliant with the revised LCR or if a new corrosion control study would be needed, and suggested a minimum three years be allowed if we are required to conduct a corrosion control re-optimization study. Mr. Sampath discussed comments on the proposed lead in drinking water sampling at schools and child care facilities and provided details on the District's undertaking of lead sampling at school facilities under assembly bill (AB) 746 and a 2017 permit amendment. Mr. Sampath explained that California currently has an equivalent program for lead sampling at childcare facilities that will be administered by the California Department of Social Services, in compliance with AB 2370. Also discussed was the requirement in the proposed revisions for water agencies to develop and maintain a Lead Service Line inventory which includes the customer owned portion of the service line.

The Committee members asked several questions and provided comments regarding the presentation. Director Weed enquired about what guidance was available for customers who would want their water tested. Staff indicated that the District's website has information on local state-certified analytical laboratories as a courtesy to those customers who would like to have their water tested. Director Huang appreciated the recommendation of a specific duration if a new corrosion control re-optimization study were to be required, which demonstrates the District's commitment to the provisions of the proposed revisions of the LCR. Director Weed suggested that staff consider the use of the GIS system to help document service line material and to consider creating a database inventory for the customer-owned portion of the service lines.

5. Public Comments: There were no public comments received.

RECOMMENDATIONS

Topics discussed by the Committee were informational only, and no recommendations were made.