

**Metropolitan Domestic Water Improvement District
Board of Directors Meeting**

March 9, 2020

**Authorizing the Use of Miscellaneous Water Resources Consulting Services for
the Preparation of Application for SOC and IOC Monitoring Waivers**

Synopsis

The Board of Directors is requested to authorize utilizing Clear Creek Associates (Clear Creek) to prepare inorganic chemicals (IOC) and synthetic organic chemicals (SOC) monitoring waivers using the contract for Miscellaneous Water Resources Consulting Services.

Background

Arizona has the authority to develop a monitoring waiver program designed to set monitoring frequencies based on a system's history, use and vulnerability to contamination. The program allows the Arizona Department of Environmental Quality (ADEQ) to achieve its mission of protecting and enhancing public health and the environment, while reducing costs associated with monitoring.

In its consideration of a waiver, ADEQ looks at past analytical data, potential sources of contamination in proximity to water facilities, and the utility's source water protection plan, among other factors. If approved, these waivers adjust the frequency that constituents are tested. Systems must update their waiver applications every three years.

Metro Main currently has waivers with ADEQ for sampling IOC and SOC constituents. New waiver applications must be submitted to ADEQ prior to October 1, 2020. Clear Creek provided these same services to assist the District with the 2017 waiver applications.

Issues

Clear Creek has provided a proposal totaling \$17,200 to assist the District with applying for IOC and SOC monitoring waivers. Clear Creek proposes to complete these services in Fiscal Year 2020. The original budget contemplated this work would be split over Fiscal Years 2020 and 2021. Due to savings in other planned items, the total amount proposed can be completed within the budgeted amount for Miscellaneous Consulting Services in Fiscal Year 2020. The cumulative work assigned to Clear Creek for Fiscal Year 2020, inclusive of the proposed services under consideration, is less than the Board-authorized contract amount for Miscellaneous Water Resources Consulting Services.

It is anticipated the analytical costs associated with regulated IOC/Metals constituents would be approximately \$4,000 to \$5,000 higher over a three-year monitoring period than would be incurred

if the waiver is granted. It is anticipated the analytical costs associated with SOC constituents would be over \$85,000 higher over a three-year monitoring period than would be incurred if the waiver is granted. These costs do not include the additional staff time for collecting and processing samples. Further, fewer samples collected reduces the risk of laboratory or human error, which can lead to an incorrect result.

Recommendation

It is recommended the Board of Directors authorize utilizing the Miscellaneous Water Resources Consulting Services agreement with Clear Creek for preparation of the application for SOC and IOC Monitoring Waivers.

Suggested Motion

I move to authorize utilizing the Miscellaneous Water Resources Consulting Services agreement with Clear Creek Associates for preparation of the application for SOC and IOC Monitoring Waivers in an amount not to exceed \$17,200.

Respectfully submitted,

Sheila M. Bowen, P.E.
District Engineer

I concur with the above-noted recommendation.

Respectfully submitted,

Joseph Olsen, P.E.
General Manager