

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

**June 11, 2012**

**Approval of Amendment No. 1 for the Analytical Laboratory Services Contract  
for Synthetic Organic Chemicals (SOCs) Analysis**

**Synopsis**

The Board of Directors is requested to approve Amendment No. 1 for the analytical services contract for Synthetic Organic Chemical (SOCs) analyses with MWH Laboratories, A Division of MWH Americas, Inc. through Fiscal Year 2012/2013. This will ensure that the District complies with the Arizona Department of Environmental Quality's Drinking Water Rules.

**Background**

According to the Arizona Department of Environmental Quality (ADEQ) Drinking Water Rules, the District must monitor for regulated Synthetic Organic Chemicals for two non-consecutive quarters once every three years unless a waiver exists for existing sampling locations. The District must monitor for both Unregulated and Regulated Synthetic Organic Chemicals for new Source Water samples, and for four quarters with no detections for new sampling locations. Synthetic Organic Chemicals (SOCs) are man-made chemicals consisting of PCB's (Polychlorinated Biphenyls), pesticides and herbicides. These contaminants are listed on the proposal, available in the Board office. If an SOC is detected at greater than 50% of the drinking water MCL (Maximum Contaminant Level), the District must monitor for a minimum of two consecutive quarters until the results are below the MCL. If an SOC is detected at the MCL or greater, the District must monitor at least four consecutive quarters until results are below the MCL. MCL values are provided in the attached proposal. The District monitors SOCs at 21 active Entry Points into the Distribution System (EPDSs) within the District's Metro-Main Service area. The ADEQ MAP program monitors for SOCs at the District's Metro-Hub and Metro-Southwest Service areas, but the District would be responsible for at least the first year of SOC monitoring in the Metro-Hub and Metro-SW Service area should a new well be installed. Currently, the District has monitoring waivers for the 2012-2014 monitoring period at all of its active EPDS' for the Metro-Main Service area. However, samples will be required for any new wells/EPDS', and ADEQ does have the right to revoke the monitoring waivers if it chooses to do so. An Entry Point into the Distribution System (EPDS) is the point at which water is discharged from a well, storage tank, reservoir or pressure tank into the distribution system after treatment, prior to any service connection.

**Issues**

Based on the state and federal drinking water regulatory requirements to analyze for Synthetic

Organic Chemical Analyses (SOCs), the District requires the renewal of the Analytical Laboratory Services Contract for SOCs for the FY 2012/2013. In June 2011, the Board of Directors approved the Synthetic Organic Chemical Analytical Contract with MWH Laboratories, A Division of MWH Americas, Inc., with the ability to extend the contract two additional years. This would be the second year of the Contract, pending Board approval. Staff prefers to retain the services of MWH Laboratories, A Division of MWH Americas, Inc. for an additional year, rather than soliciting for RFPs to select a new laboratory to complete these analytical services due to their past performance.

Should the District need an emergency/back-up laboratory for SOCs when MWH Laboratories, A Division of MWH Americas is unavailable or cannot meet a certain turn-around time, TestAmericia Laboratories, Inc. in Tucson and Phoenix has quoted the District a price of \$1,565.00 for SOCs, including Dioxin.

It is anticipated for FY 2012/2013, the total cost for the SOC analytical services contract will not exceed \$8,000. The Contract amount will not need to be increased for FY 2012/2013 since no expenditures occurred in FY 2011/2012. The Contract amount will remain at \$15,000 for FY 2012/2013.

Funds for these analytical services were included in the proposed FY 2012/2013 Budget for Water Quality Testing Services. The amendment includes all compliance, new well and contingency sampling that may occur.

### **Staff Recommendation**

Staff recommends that the Board of Directors approve Amendment No. 1 to the analytical services contract for Synthetic Organic Chemicals with MWH Laboratories, A Division of MWH Americas, Inc. to extend the contract's expiration date to June 30, 2013 and maintain the contract amount of \$15,000 for FY 2012/2013. The contract may be extended an additional year pending Board approval.

### **Suggested Motion**

I move that Amendment No. 1 for the Analytical Laboratory Services Contract for Synthetic Organic Chemicals with MWH Laboratories, A Division of MWH Americas, Inc. to extend the contract's expiration data to June 30, 2013 and to maintain the contract amount of \$15,000 for FY 2012/2013 be approved.

Respectfully submitted,

I concur with the above-noted recommendation.

Respectfully submitted,

Steve Shepard  
Utility Superintendent

Mark R. Stratton, P.E.  
General Manager