

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

**June 10, 2013**

**Approval of Amendment No. 2 for the Analytical Laboratory  
Services Contract for Inorganic Chemical Analyses**

**Synopsis**

The Board of Directors is requested to approve Amendment No. 2 for the Analytical Laboratory Services Contracts for Inorganic Chemical (IOC) Analyses with Turner Laboratories, Inc. will increase the contract amount and extend the contract through Fiscal Year 2013/2014. 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 once every three years for regulated inorganic chemicals if there are no detections of the chemicals found within the analyses. Inorganic chemicals include nutrients such as nitrate, and metals such as copper, lead, arsenic and mercury. The monitored constituents are listed in the attached proposal. If nitrate is detected above 5 mg/L, the District must monitor at that sampling point on a quarterly basis for four consecutive quarters until the results are proven to be below the drinking water MCL (Maximum Contaminant Level) value of 10 mg/L. The District can then return to annual sampling if the level remains below the MCL of 10 mg/L, even though it may exceed the increased monitoring level value of 5 mg/L. If an inorganic constituent is detected above the MCL value, the District must sample for at least two consecutive quarters until the results are below the MCL value. The District can then return to annual sampling, and after three years of no results above the MCL value, return to a once every three years monitoring period. Results on detections are reported in the District's Annual Consumer Confidence Reports (CCRs).

The District completes inorganic monitoring for nitrates on a monthly, quarterly and annually basis for the Metro-Main service area, based on site specific requirements.

**Issues**

Based on the state and federal drinking water regulatory requirements to analyze for IOCs, the District requires the renewal of the Analytical Laboratory Services Contracts for the IOC Analyses in FY 2013/2014. In June of 2011, The Board of Director's awarded the IOC Analytical Laboratory Services Contract to Turner Laboratories, Inc., with the ability to extend the contract an additional two years. This would be the third year of the Contract, pending Board approval. Staff recommends

retaining the services of Turner Laboratories, Inc. for an additional year, rather than soliciting for RFPs to select a new laboratory to complete these analytical services due to past performance.

Should the District need an emergency/back-up laboratory for IOCs when Turner Laboratories is unavailable or cannot meet a certain turn-around time, TestAmerica Laboratories in Tucson and Phoenix, AZ has quoted the District a price of \$290.00 for regulated IOCs.

It is anticipated for FY 2013/2014, the total cost for the IOC analytical services contract will not exceed \$71,300. The contract amount will be increased by \$3,300 to \$71,300 under Amendment No. 2. There is no increase to the unit costs for IOCs for FY 2012/2013. Funds for these analytical services were included in the proposed FY 2013/2014 Budget for Water Quality Testing Services. The amendment includes all compliance sampling, new well sampling, and contingency sampling for any detections that may occur.

**Staff Recommendation**

Staff recommends that the Board of Directors approve Amendment No. 2 to the analytical services contract for Inorganic Chemicals with Turner Laboratories, Inc. to extend the contract's expiration date to June 30, 2014, and increase the contract amount to \$71,300.00 for the IOC Contract for FY 2013/2014.

**Suggested Motion**

I move that Amendment No. 2 for the Analytical Laboratory Services Contract for Inorganic Chemicals with Turner Laboratories, Inc. to extend the contract's expiration date to June 30, 2014 and increase the contract amount to \$71,300.00 for FY 2013/2014 be approved.

Respectfully submitted,

I concur with the above-noted recommendation.

Respectfully submitted,

Christopher W. Hill  
Deputy Manager

Mark R. Stratton, P.E.  
General Manager