

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

June 9, 2014

**Approval of Contract for
Unregulated Contaminant Monitoring Rule Three Chemical Analyses**

Synopsis

The Board of Directors is requested to approve an analytical services contract for Unregulated Contaminant Monitoring Rule Three Chemical (UCMR-3) analyses to Eurofins Eaton Analytical, Inc. This is to ensure that the District complies with the required monitoring under the Environmental Protection Agency Drinking Water Rules.

Background

According to the Environmental Protection Agency (EPA) Drinking Water Rules regarding UCMR-3, the District must monitor for List 1 UCMR-3 constituents at Metro-Main's 23 active Entry Point into the Distribution System (EPDS) and at 23 corresponding distribution sample locations in August 2014 and February 2015. An EPDS is the point at which water is discharged from a well, storage tank, reservoir or pressure tank into the distribution system, prior to any service connection. If any detection occurs, the District must collect a resample at that location. In addition, the District has also been collecting five to six quarterly samples in Metro-Main at five wells and a reservoir for the UCMR-3 constituent 1,4-Dioxane. These locations are known to have slight amounts of 1,4-Dioxane due to an Arizona Department of Environmental Quality (ADEQ) water quality study within the area. Lastly, the District may want to collect additional, elective UCMR-3 samples on a discretionary basis. Results for detections for the UCMR-3 constituents will be reported in the District's annual Consumer Confidence Reports.

Issues

The District published a request for proposals from laboratories for UCMR-3 Chemical Analyses in the Daily Territorial on April 21-24, 2014. Eight laboratories were sent the proposal package, and two proposals were received. The proposals received were from Eurofins Eaton Analytical, Inc. (EEA Labs), a small laboratory and office in Scottsdale, Arizona and a main office and laboratory in Monrovia, California; and Turner Laboratories, Inc. (Turner Labs), a Tucson, AZ based Laboratory and office. The selection of a laboratory is made by rating each laboratory according to quality assurance/quality control (QA/QC), method detection limits (MDLs), costs, turnaround time, references, certification, and other pertinent factors such as methods used and laboratory reports.

Issues arose mainly with the costs and method detection limits (MDLs). Costs were derived from the cost of all of the UCMR-3 constituents that would be monitored at the District's Metro-Main active EPDS and Distribution Sample Station locations. The total number of samples per year is subject to a detection, or if the District decides to collect elective samples.

District staff reviewed the analytical contract proposals and had EEA Labs with the highest total score from Table 1, and the best cost ranking from Table 2. EEA Labs also had the best costs ranking on Table 1. Turner Labs was second for total score on Table 1, and second for cost ranking on Table 2. It should be noted that both labs ranked equally on the method detection limits ranking from Table 3. (Tables are attached.)

In the event that a QA/QC laboratory problem error occurs that requires a resample, the District requires the contracted laboratory to pay for both the original sample and resample analyses if more than three resamples are necessary.

Staff Recommendation

Staff recommends that the Board of Directors approve the contract for UCMR-3 chemical analyses to Eurofins Eaton Analytical, Inc. The laboratory has the best total score for its proposal review, and the best ranking for costs. The contract award to Eurofins Eaton Analytical, Inc. would not exceed \$75,000. This cost accounts for any compliance sampling in Metro-Main, and any elective sampling at Metro-Hub and Metro-SW through June 30, 2015. Funding is included in the Fiscal Year 2015 Budget. The contract would also have the option to be extended annually for an additional two years with Board approval. In the event that Eurofins Eaton Analytical, Inc. is unable to perform its contracted duties, staff recommends that Turner Laboratories, Inc. be named as the back-up laboratory due to its second best ranking for overall proposal review criteria.

Suggested Motion

I move to approve the analytical services contract for UCMR-3 Chemicals to Eurofins Eaton Analytical, Inc. for a not-to-exceed amount of \$75,000, and would expire on June 30, 2015, with the option to extend the contract for two additional years pending the Board of Directors annual approval. In addition, Turner Laboratories, Inc. shall be the back-up laboratory to Eurofins Eaton Analytical, Inc. in the event they are unable to perform their contracted duties.

Respectfully submitted,

I concur with the above-noted recommendation.

Respectfully submitted,

Charlie A. Maish, P.E., R.L.S.
District Engineer

Joseph Olsen, P.E.
General Manager

Table 1 – Total Proposal Review Criteria – UCMR-3

Criteria	EEA Labs	Turner Labs
QA/QC Score (QA/QC Plan, Back-up Plan, Method Detection Limits)	24	24
Costs (Total Cost, Unit Cost, RUSH Cost)	36	23
Professional Expertise (References/Expertise, Lab and Equipment Certifications, Turn-Around Time (TAT), Lab/Office Locations)	17	19
Lab Team (Resumes/Organization Chart and Subcontractors)	5	3
RFP, ADEQ Forms and License Included Score	15	15
Total Score	97	84

Table 2 – Regular Costs

Parameter	EEA Labs	Turner Labs
List 1	\$450	\$863
1,4-Dioxane (Included in List 1 Price)	\$80	\$195
List 2	\$200	\$288
Unit Costs	\$730.00	\$1,346.00
Cost Ranking	1	2

Table 3 – Method Detection Limits Ranking

Criteria	EEA Labs	Turner Labs
Method Detection Limits Ranking	Equal	Equal