

*City of Bel Aire, Kansas*

## **STAFF REPORT**

DATE: 8/21/23

TO: City Manager

From: Marty McGee

RE: Dedicated Water Sample Stations



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**BACKGROUND:** KDHE requires all water system owners to take monthly water samples for Coliform, E. Coli, and chlorine residual to ensure that safety of our drinking water and prevent the spread of illness.

**DISCUSSION:** Currently we are at a population level that requires us to take 10 samples every month from predetermined locations throughout the City. These locations are selected by staff and submitted for review and approval to KDHE every year. These locations must meet certain criteria to abide by KDHE's regulations. With the 10 samples we must divide the city into 10 different zones each with 5 samples locations within the zone. When the City reaches a population of 12,901, we will be required to up our monthly samples to 15. This will require us to add an additional 5 zones with 5 sites within each zone for a total of 25 new locations. Every location must have samples taken from them at least twice a year to have proper coverage of the water system. A new sampling location plan is submitted yearly, it is common practice to create two plans and alternate them every other year, to ensure that we are not missing potential areas of concern. Two plans require 150 total test sample locations. Each sample must be taken from a faucet from within the structure of the listed address, this is to prevent any cross contamination of the sample and to ensure that we get an accurate result from the lab. Positive results of Coliform or E. Coli will result in the need to retest the location and take samples from upstream and downstream of the location. If the retest results in a positive indication, this may result in a city-wide boil water order. The sample must be received by the State within 30 hours of collection, and can only be collected Monday, Tuesday, or Wednesday, unless there is a holiday in the week. The current method requires a staff member to enter private homes and businesses to collect the sample, which can cause scheduling conflicts with residents. There have been a few residents that have protested being on the list which has required staff to rework and resubmit the current sampling plan to the State. For these reasons and the fact that other Cities are switching over to dedicated test sample stations we believe it is in the City's interest to do the same. This will result in less staff hours required to take the samples, assurance of accurate sampling, and will result in less intrusions into resident's homes by staff members. We ask Council to approve 45 units of Eclipse #88-SS water test stations which will cover 9 zones for the next year of sampling. These samples are required by the State and are not optional.

<u>Suppliers</u>	<u>Quote Per Unit</u>	<u>Total Cost for 45 Units</u>
<u>Hajoca</u>	<u>\$1,446.25</u>	<u>\$65,081.25</u>
<u>Core &amp; Main</u>	<u>\$1,222.00</u>	<u>\$54,990.00</u>
<u>Wichita WinWater</u>	<u>\$1,104.66</u>	<u>\$49,709.70</u>
<u>Municipal Supply</u>	<u>\$1,100.00</u>	<u>\$49,500.00</u>

\*Lead times for sample stations is 4-6 weeks.

The prices above are for the sampling stations only. City staff will install the sampling stations. Sampling stations are being included with all new developments.

FINANCIAL CONSIDERATIONS: Funding for this project will be taken from the Water System Improvement line item in the Water Fund.

POLICY DECISION: Staff is adhering to City policy in gathering a minimum of three quotes for the water sample stations. Quotes include the listed suppliers; Hajoca, Core & Main, Wichita WinWater, and Municipal Supply.

RECOMENDATION: Staff recommends the City Council accept the quote from Municipal Supply for the amount of \$49,500.00.