

Revised Total Coliform Rule – Designated Water Sampling Stations (All Districts)



Public Works & Utilities

July 21, 2020



Background



- Safe Water Drinking Act sets the standards for water sampling
- KDHE audit was completed on November 13th, 2018
 - Sampling improvements are required in the water distribution system
- 180 sampling sectors are required by the EPA
 - The City will be divided into 180 sectors with a sample station in each sector
- 20 additional stations will be installed to assure water quality to wholesale customers



Current Issues



- Current sampling stations are limited
 - Samples must be taken from a cold water faucet and requires entrance to private property

Hot/Cold Faucet



Mixed Faucet



Proposed Plan



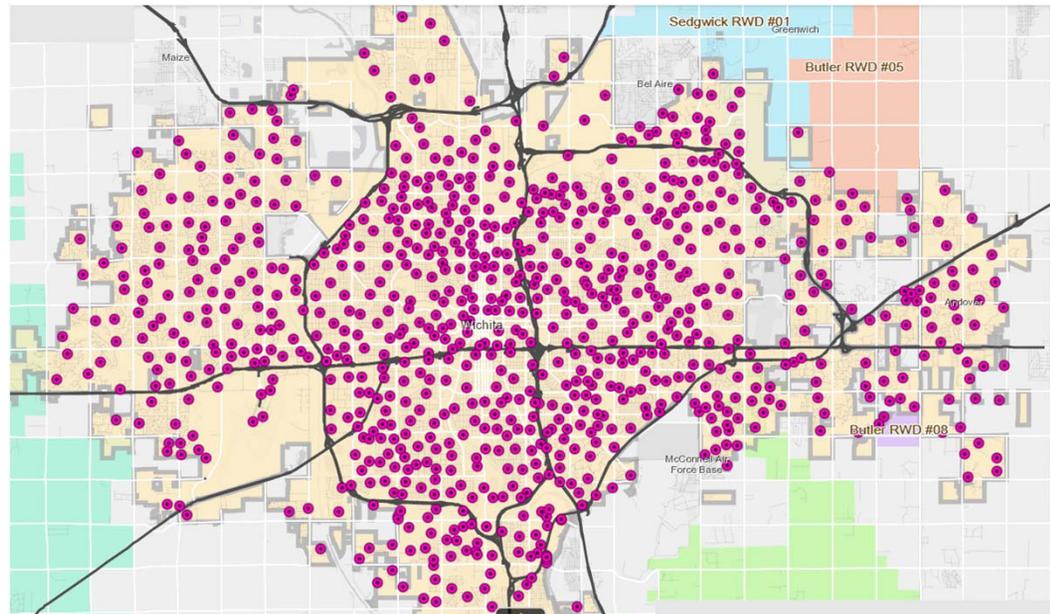
- Other municipalities have adopted similar approaches
 - Sampling station located in Hutchinson, Kansas pictured at right
- Proposed sample stations are all located in City Right of Way
 - Placement in non-intrusive areas was emphasized
 - For the 1 location that is near residences staff visited with the resident to solicit their input.



900 Sample Station Locations



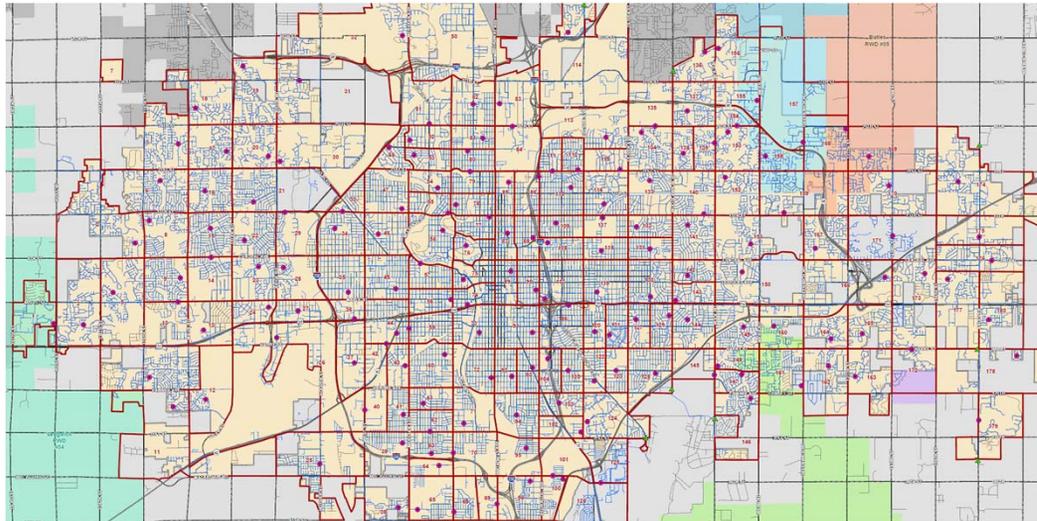
- Current requirement is 5 sample locations per sector, resulting in 900 locations



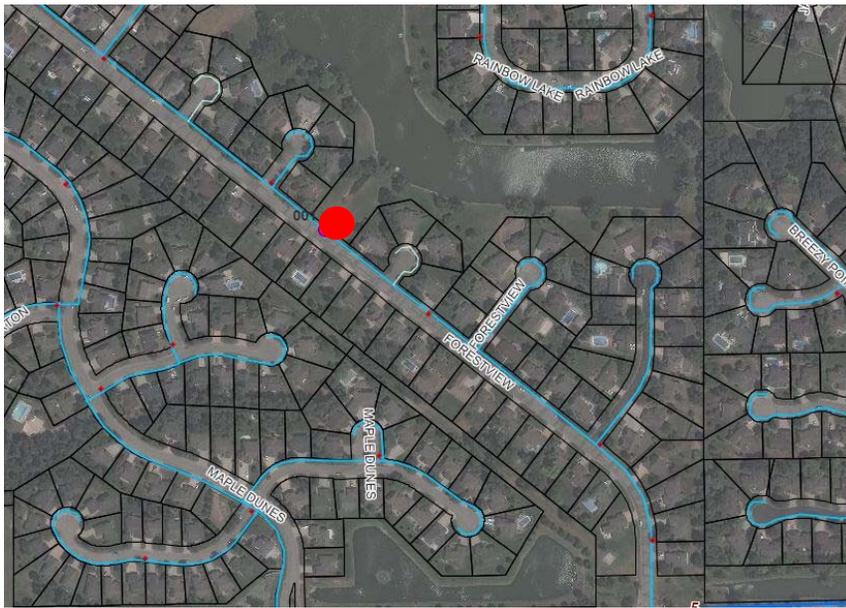
180 Sample Station Locations



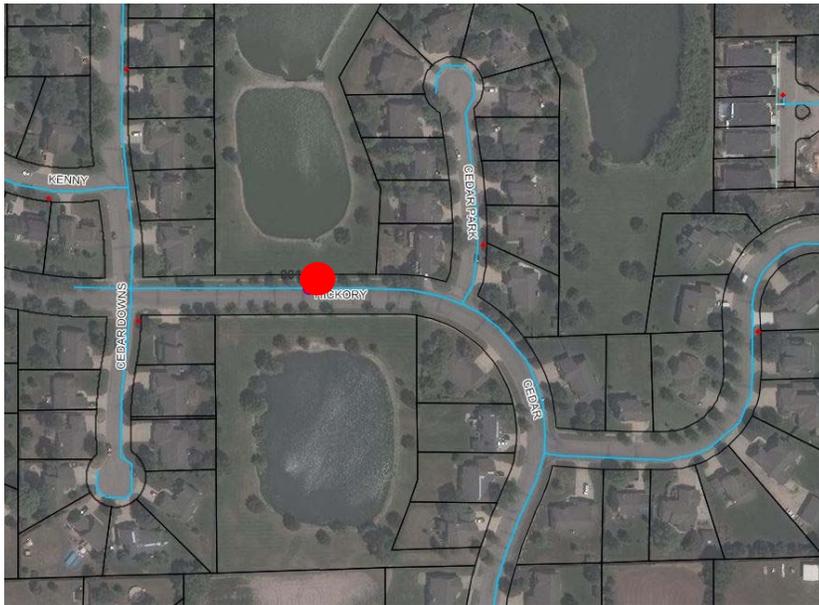
- Staff worked cooperatively with KDHE to develop procedures, which enables a reduction to 1 sample location per sector.



Example of Sample Station Location



Example of Sample Station Location



Financial Considerations



- Reducing from 900 to 180 regulatory sites achieves significant savings
- Funding of \$3,205,000 for this project is included in 2019 Distribution Transmission Main Pressure/Quality Support in the 2019-2028 Adopted Capital Improvement Program.
- Full cost of the project was accounted for in the most recent cost of service analysis and will not impact rates.
- Staff requests approval of \$1,200,000 at this time for design, construction, staff inspection, survey and project oversight.



Recommendation



It is recommended the City Council:

- Approve the project
- Adopt the resolution
- Authorize the necessary signatures



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