



Memorandum

To: Water Plant Personnel

From: Mike Glasgow
Utilities Administrator

Date: October, 22 2015

Subject: Laboratory testing requirements for current water supply

Due to the recent change in water supply, the drinking water testing for the water plant laboratory personnel has been adjusted. The testing has been arranged to reflect what was conducted in years prior to operation of the treatment plant from the river. There are a few additional items that have been included, and this schedule may be adjusted as necessary.

AM & PM PLANT RUN:

- Collect & analyze samples for chlorine residual and Coliform Bacteria in the morning and afternoon (at least 4 hours apart) from the following sites on plant grounds:
Control Station # 2, Dort Well, Pump Station # 4, & Lab Tap

LAB TAP TESTING:

- Collect & analyze lab tap samples once daily for pH, fluoride, total hardness, alkalinity, non-carbonate hardness, calcium, magnesium, total phosphate, temperature and chloride.
- Collect & analyze 3 samples daily (at least 3 hours apart) for Turbidity.
- Collect & analyze 1 sample weekly for Heterotrophic bacteria.

DISTRIBUTION SAMPLING:

- Collect & analyze samples from the 10 distribution sites at least twice weekly for chlorine residual and coliform bacteria. A total of at 100 samples must be collected and analyzed each month, so in total, at least 10 sampling events should take place each month.
- Once weekly also test each distribution site for fluoride, total phosphate, and Heterotrophic bacteria.
- Once quarterly perform Water Quality Parameters (WQM) from the 25 distribution sites. Total phosphate will be a new addition to all the other parameters tested.
- Once quarterly collect Disinfection Byproduct samples (DBP) from 8 sites according to the current DBP schedule. Next sampling will take place the 3rd full week of November.
- Lead & copper sampling will be on going throughout the rest of the year, a detailed plan will be completed soon.

RIVER SAMPLING:

- When time permits, a river sample should be collected once weekly and analyzed for coliform bacteria, pH, fluoride, total hardness, alkalinity, non-carbonate hardness, calcium, magnesium, temperature, turbidity, and chloride.