

FACILITY DESCRIPTION

The city water is derived from two deep wells developed in the Mississippian Aquifer (Hampton Dolomite). Well number one was drilled in 1920 to a depth of 186 feet. Well number two was drilled in 1958 to a depth of 200 feet. Both pumps are powered by 5 horsepower electric motors.

Water treatment is as follows: aeration (aerator), 2 pressure sand filters, and chlorination (sodium hypochlorite 10%). The chlorination equipment was given as-built project no. W81-87.

A new 200,000 gallon elevated storage tank was placed into service this past fall. The old EST was removed from service.

OBSERVATIONS

Bacteria records for 1982 were reviewed. Samples were collected at the required frequency and sample results indicate no SDWA bacteria violations. A bacterial sample was collected during this inspection. The sample indicated that an adequate free chlorine residual is maintained in the system. The results are attached to this report.

The city needs to arrange to collect and analyze the public water for the required SDWA inorganic (mineral) and radiological contaminants. The last samples were collected during 1979-1980. The SDWA requires that these analyses be completed every three years for inorganic contaminants and every four years for radiological contaminants. The SDWA samples should be collected as soon as possible.

No deficiencies were noted during this inspection.

RECOMMENDED/REQUIRED ACTIONS

1. Collect the SDWA samples for inorganic and radiological contaminants as soon as possible.

REMARKS

Mr. Lodin is thanked for his cooperation during this inspection.

LLB/mk1