



Instructions for disinfection of potable water system

The following is from the NFPA 1192-Annex A, Explanatory Material, A.7.3.7.5.

To assure complete disinfection of your potable water system, it is recommended that the following procedures be followed on a new system, one that has not been used for a period of time, or one that may have become contaminated. This procedure is also recommended before long periods of storage such as over winter.

1. Prepare a chlorine solution using 1 gallon of water and ¼ cup of household bleach (sodium hypochlorite solution). With tank empty, pour chlorine solution into the tank(s). Use 1 gallon solution for each 15 gallons of tank capacity. This procedure will result in a residual chlorine concentration of 50 ppm in the water system. If a 100 ppm concentration is required as discussed in item 3, use ½ cup of household bleach with 1 gallon of water to prepare the chlorine solution. One gallon of the solution is used for each 15 gallons of tank capacity.
2. Complete filling of tank with potable water. Open each faucet and run the water until a distinct odor of chlorine can be detected in the water discharged. Do not forget the hot water taps.
3. Allow the system to stand for at least 4 hours when disinfecting with 50 ppm residual chlorine. If a shorter time period is desired, then a 100 ppm chlorine concentration needs to be permitted to stand in the system for the last 1 hour.
4. Drain and flush with potable water.

