

## DISINFECTION OF WATER SUPPLY WELL

Before this water can be used for human consumption, the following steps should be taken:

1. Inspect the water supply installation to determine and correct any damage or faults which would provide a source of contamination to the well by way of insects, surface drainage, dust or other contaminants.
2. After every possible contamination source has been eliminated, the water supply should be disinfected as follows:
  - a. Add  $\frac{1}{2}$  gallon of 5% available chlorine household bleach, (Clorox, Purex, etc.) to 4 $\frac{1}{2}$  gallons water. Pour this solution into well between well casing and pump drop line. **DO NOT USE SCENTED BLEACH.**
  - b. For deep or problem wells introduce two 1 inch chlorine tablets into the well, between well casing and pump drop line. Allow the chlorine tablets to dissolve for 2 hours before starting step 3.

**OR**

3. After the addition of the chlorine bleach solution or the chlorine tablets, continue with the following steps:
  - a. Open a faucet on the system. Run until chlorine odor is detected at the faucet, close the faucet, then do the same with all the faucets. Allow the chlorine solution to remain in the well, storage tank, and distribution system for 24 hours or at least overnight.
  - b. The following day, flush the chlorine out by running the water onto the ground until the odor and taste of chlorine has disappeared. Do not run this water into your sewage disposal system. Excessive contamination may require repeating the disinfection process or installation of a chlorination system.

Two days after disinfection and after flushing the system free of chlorine, use a sterile container furnished by the local Health Department to collect a sample of water for bacteriological analysis.

**CAUTION: Take precautions to prevent the possibility of anyone using the water supply, particularly for drinking purposes, during the time the well is being disinfected.**

-----  
The following temporary measures can be used to treat water for drinking and cooking purposes, until the well can be returned to service.

1. Boil water briskly for 10 minutes.
2. Disinfect water with household bleach (5%).

### HOUSEHOLD BLEACH (5%) REQUIRED

<u>Gallon of water</u>	<u>Clear water</u>	<u>Cloudy water</u>
1	8 drops	1 tsp.
2	1 tsp.	2 tsp.
5	2 tsp.	1 Tbs.
100	1 oz.	1 $\frac{1}{2}$ oz.
1000	1 cup	1 pint

All water to be treated should be relatively clear. After adding household bleach, cover, shake well and allow to stand 20-30 minutes before use. Boiled and chlorinated water must be stored in clean covered containers.