



Davie County Health Department Environmental Health Section

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DAVIE COUNTY ENVIRONMENTAL HEALTH SECTION DISINFECTION PROCEDURES FOR PRIVATE WATER SUPPLIES

New water systems and those water systems that have been subjected to repair must be thoroughly disinfected before use. Chlorine and chlorine compounds are effective disinfecting agents when properly used.

To obtain satisfactory disinfection with chlorine compounds:

1. The chlorine solution must be strong enough.
2. There must be adequate mixing of the water being disinfected and the chlorine solution and the items being disinfected.
3. Ample time of contact must be allowed between the chlorine solution and the items being disinfected

A disinfecting solution may be prepared by mixing one pint of household bleach (Clorox) in one gallon of water. One gallon of this concentrate should be used for each 100 gallons of water in the system. For the individual units two to three gallons should suffice.

STEPS

1. Clean the interior surfaces of well and wash with the chlorine concentrate described earlier.
2. Brush and wash pump and parts prior to installing into a well. As the pump parts are being lowered into the well, wash with chlorine concentrate.
3. Pour the required amount of chlorine concentrate into the well and distribute over the inner surface of the well casing.
4. Start pumping and connect a garden hose to an outside faucet. Wash down well casing or tile with the chlorine water being pumped from the well. This method of recirculation aids materially in the sterilization of a well.
5. Pump water from the well until it has a strong chlorine odor at each house faucet. Close faucets.
6. Stop pump and allow the chlorine to remain in the well for 12 or more hours.
7. After 12 or more hours contact time has passed, start pump and allow it to pump until no chlorine odor or taste is detected in the water being pumped from the well. Pump off well to an outside discharge. **KEEP DISCHARGE OUT OF THE SEPTIC SYSTEM.**

Upon request, the Davie County Environmental Health Section will obtain a water sample for bacteriological analysis 48 hours or longer after chlorination

TELEPHONE (336) 753-6780

HOURS 8:30am-5:00pm, M-F