

Forsyth County Health Department
428 Canton Highway
Cumming, GA 30040

PROTECTION OF WELL WATER SUPPLIES

Protect properly located well by following these steps:

- (1) Pour a concrete slab around the casing (sloped away from the casing) at least two feet. This slab can be used as a foundation for the pump and/or pump house.

The concrete should be a mixture of one part cement, two parts sand, and 4 parts gravel, using not more than 6 gallons of water per sack of cement. The slab should be not less than 4 inches thick.

- (2) All spaces around pipes or cables which enter the well should be sealed water-tight. See Instruction #4 below.
- (3) If surface water during rains run over or near the well, it should be diverted by means of a ditch dug slightly uphill from the well.

DISINFECTION OF WATER SUPPLIES (EXISTING OR NEW)

Whenever a water supply has been newly completed or has been repaired such as a pump replacement or has been shown to be polluted by laboratory tests, the following measures should be taken to disinfect the supply:

- (1) Open the well so that a hose can be inserted at some point near the top of casing.
- (2) Pour a chlorine solution directly into the well (see table below for quantity).
- (3) Attach a hose to a nearby faucet and direct water into the well through the opening which has been created. Give special attention to WETTING DOWN the inside of the casing. A strong odor of chlorine will be detected as it comes from the hose. Continue this operation for 30 minutes.
- (4) Seal the well as follows:
 - a. Install a Sanitary Seal where pipes enter the top of the well.
 - b. Spread asphalt roofing cement or window caulking from caulk gun around all joints in the casing which are above ground, around all pipes and wires which enter the casing or the top, and around the space where the top may rest on the casing.
- (5)
 - a. BEGINNING with yard faucets, open each faucet one at a time until the taste or odor of chlorine is detected. THEN CLOSE the faucet. Do the same with all inside faucets.
 - b. Flush all toilets.
 - c. Do not use the water for at least 12 hours.

- d. BEGINNING with the yard faucets, one at a time, open them until the taste and odor of chlorine have disappeared. Repeat this with all other faucets. The water is ready to use.

WELL CHLORINATION TABLE

All figures are for units of 10 feet of water in the well.

<u>Size of Well</u>	<u>Amount of common household Bleach per 10 feet of water</u>
4 inches, or 6 inches	½ pint
24 inches	3 quarts
36 inches	6 quarts
48 inches	12 quarts

In accordance with the SIZE (diameter) of the well and the DEPTH of water in the well, use the amounts of Clorox, Purex, etc. as given in the table.

EXAMPLE: Using the 24 inch well having 15 feet of water, 4 ½ quarts of disinfecting solution would be used.