

**BALTIMORE COUNTY, MARYLAND**  
**DEPT. OF ENVIRONMENTAL PROTECTION & SUSTAINABILITY**

**CHLORINATION PROCEDURES**

1. Installation of the water supply system including the well pump, pressure tank and distribution lines should be completed prior to disinfection.
2. Calcium hypochlorite, a chlorine compound designated as 65% available chlorine by weight, is recommended for well disinfection. A dosage of 1 tablespoon of calcium hypochlorite for every 10 ft. depth of standing water in the well should be applied or .2 gallons of 5.25% chlorine bleach per 100 gallons of water to produce 50-100 parts per million concentration of chlorine. All chlorine disinfecting chemicals designated "stabilized" should **NOT** be used.
3. Apply the chlorine directly into the well. A hose should be connected to the discharge tap of the pressure tank and the water recirculated back into the well for 10-15 minutes. The inside of the casing should be washed down with the recirculated water.
4. After recirculation of the chlorinated water, the well cap should be replaced and all taps should be opened until a strong odor of chlorine is detected. The water should remain in the entire system for 12-24 hours. After disinfection is completed, flush the lines, preferably through a garden hose. This water should not be discharged into the septic system. Flushing should be regulated in accordance with the supply yield and available water.
5. After all chlorine has been flushed out of the system, the water should be tested for potability by a Maryland State certified laboratory. If bacteria is present after chlorination, the entire water distribution system should be inspected for potential defects and this procedure repeated.

**PLEASE READ LABELS OF CHEMICALS FOR SAFETY PRECAUTIONS. EXTREME CARE SHOULD BE USED IN HANDLING AND STORING THESE ITEMS**

**IT IS HIGHLY RECOMMENDED WELL DISINFECTION BE PERFORMED ONLY BY A LICENSED PLUMBER OR WELL DRILLER**