

# Well Chlorination Process

## Determine the quantity of calcium hypochlorite –HTH (bleach ingredient)

1. **Subtract** the Total Depth of Well: \_\_\_\_\_ from the depth to water (average 25 ft): \_\_\_\_ = \_\_\_\_\_ft
2. **Multiply 1.47** gallons per foot (a 6” diameter well) X by answer #1 \_\_\_\_\_ft = \_\_\_\_\_ gal
3. **Add** the answer from # 2 \_\_\_\_\_gal to **100 gallons** (estimated # of gallons in pipes) = \_\_\_\_\_ gal
4. **Divide** the answer from # 3 \_\_\_\_\_ gal by 100 = \_\_\_\_\_
5. **Multiply** the answer from step # 4 \_\_\_\_\_ X **6** (shock with calcium hypochlorite) = \_\_\_\_\_ **ounces**

**This final number is the amount of calcium hypochlorite in ounces that you will need to mix with 5 gallons of water in a bucket. Make sure that the HTH does not have algaecides or fungicides in it.**

**\*\*\* If using standard household bleach (not recommended) use 1 gallon per 100 feet of depth of well.**

## Chlorination Process:

**\*\*\* Be careful not to get any of the solution on your skin, because it will burn. \*\*\***

**\*\*\* Bypass all filter equipment, except for a standard sediment filter.**

**Step 1:** Mix hypochlorite solution in a five gallon bucket of water until granules have dissolved.

**Step 2:** Pull seal (loosen the 4 bolts, do not pull them out) off of well just enough to get a funnel into the side.

**Step 3:** Pour mixed solution into well by funnel.

**Step 4:** Hook a hose to a spigot on the well or to the nearest spigot to the well and place into the well 6 inches or more and then turn on the water at a medium to low flow. Allow this to re-circulate through the well for 4 – 6 hours. **VERY IMPORTANT!!!!**

**Step 5:** After time is up, turn water off, place seal back on well and tighten the bolts back on.

**Step 6:** Turn all spigots on in the house and let run until you smell the chlorine in the house, then turn off.

**Step 7:** Turn all water off and allow well to sit for 12 – 15 hours for true disinfection.

**Step 8:** Once this time is up, you can gradually begin running the chlorinated water off. Please do not burn your pump up. Make sure that you point the flow of water away from your septic area and be aware that the heavy chlorinated water will kill the grass.

The Health Department can not take another water sample, unless the entire chlorine residue is out of the well.

Granville County Health Department – 919-693-2688