

RECOMMENDED DISINFECTION PROCEDURE

WHAT YOU NEED

DPD Powder

- **One cup granular swimming pool chlorine for wells 200- 400 ft. deep**
(Calcium hypochlorite with at least 45% available chlorine)
- **Garden hose**
- **DPD powder packs** (Supplied by Joiner MicroLabs)
- **Sterile sample container** (Supplied by Joiner Micro Labs)

WHAT YOU DO

1. **Bypass all water treatment.** (Remove sediment filters from housing.)
2. **Open well cap.**
3. **Attach garden hose to outside tap.** (Run hose to well and turn water on.)
4. **Mix 1 cup granular chlorine with water in large bucket.**
5. **Pour solution down well.**
6. **Get chlorine into the water system.** (Place end of hose into well to circulate water back into well). Run water from an inside tap until strong odor of chlorine is detected (**may take 20 minutes to 2 hours**, depending on depth of well).
7. **Go to each tap in the house and run water until you smell chlorine at each tap. *If applicable*,** run through bypassed water treatment then *return* treatment to bypass mode. Check with manufacturer to make sure Chlorine will not harm treatment media.
8. **Wash down well casing and well cap, turn off outside tap. Replace well cap.**
9. **Let chlorine sit in plumbing system undisturbed for 12 to 24 hours.** This gives time for chlorine to destroy any bacteria present.
10. **Flush chlorine from the system, preferably through an outside spigot.** This *can take several days* of flushing depending on the yield of well. Use your own judgment as to how much water to flush out of the well system at one time.
11. **Test the system for any residual chlorine.** Once the chlorine smell is gone, use the attached DPD powder packs to determine if chlorine is still in the water system. Tear open pack. Add chemical to 5 mL (\approx 1 tsp) volume of water. If you **see a pink color within the first minute**, there is detectable chlorine in your water. If there is chlorine, continue to run the water to flush the system. **Test again.**
12. **Collect the water sample.** Once the system is free of any residual chlorine, take a water sample, as instructed, in the sterile container and bring to Lab for testing.