IT IS THE RESPONSIBILITY OF THE OWNER, CONTRACTOR, WELL DRILLER, OR PLUMBER TO SEE THAT THE FOLLOWING IS DONE.

A. Minimum Required Distances:

1. Road right-of-way/ road utility easement----------10’
2. Driving surface of road----------25’
3. Driveway or parking lot----------15’
4. Lot lines and easements----------10’
5. Sewage tanks----------50’
6. Sewage absorption fields (i.e. leachfields)----------50’
7. Leaching pit or dry well----------100’
8. Watertight vault privies----------50’
9. Leaching privies----------100’
10. Human waste management facility, except a well used by the facility----------300’
11. Drainage wells----------100’
12. Properly sealed wells----------10’
13. Existing properly constructed water well----------10’
14. Water wells or boreholes of unknown or unregulated construction, including geothermal wells----------50’
15. Regulated closed loop geothermal systems utilizing propylene glycol as the heat transfer antifreeze----------25’
16. Permanent bodies of water such as streams, lakes, ponds----------25’
17. Storm water or other ditches with intermittent water flows not included in the road right-of-way----------15’
18. State and local road salt storage piles----------100’
19. Fuel operated motors used for well pumps without secondary containment----50’
20. Underground or above ground fuel oil, diesel, chemical or gasoline storage tanks or other refined or unrefined petroleum liquids (<1100 gallons)----------50’
21. Underground or above ground fuel oil, diesel, chemical or gasoline storage tanks other refined or unrefined petroleum liquids (>1100 gallons with secondary containment)----------150’
22. Underground or above ground fuel oil, diesel, chemical or gasoline storage tanks other refined or unrefined petroleum liquids (>1100 gallons without secondary containment)----------300’
23. Natural gas or propane home heating tanks above or below ground----------20’
24. Oil and gas wells----------100’
25. Landfills: operating & closed
    a. Municipal solid waste, residual waste, and industrial waste----------1000’
    b. Construction and demolition debris facility----------500’
26. Agriculture facilities (see definitions attached)
    a. Major & large----------300’
    b. Medium----------300’
    c. Small-type A----------150’
    d. Small-type B----------50’

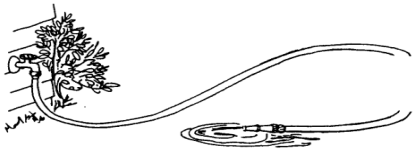
27. A private well located in a grassed pasture used by large animals shall be surrounded by a fence with all sides at least 5’ from the well.
28. Land application of septage waste, manure, or biosolids (sludge) stockpile, storage or staging area where the Ohio EPA has determined the aquifer has a high susceptibility to contamination----------300’
29. Surface land application area for septage, biosolids (sludge), commercially land applied manure, or other similar materials previously approved by the Ohio EPA or the board of health----------300’
30. Subsurface incorporation application area using septage, biosolids (sludge), commercially land applied manure, or other similar materials previously approved by the Ohio EPA or the board of health----------100’
31. Storage or preparation area for commercial application of fertilizers or pesticides----------150’
32. Any known or possible source of contamination----------50’
33. Water-tight sewer drain----------10’
    The water service line must be a minimum of 10’ from any water-tight sewer line except for within 5’ of the building. If the lines must cross, then the water line shall be located above the sewer line and there must be a 12-inch vertical separation and either pipe sleeved in accordance with the rule.

Type of Animal	# to be considered Large (300')	# to be considered Medium (300')	# to be considered Small (150')-Type A	# to be considered Small (50')-Type B
Mature dairy cattle whether milked or dry	700	200-699	7-199	6
Veal calves	1000	300-999	10-299	9
Cattle other than mature dairy cattle or veal calves	1000	300-999	10-299	9
Swine that each weigh 55 lbs or more	2500	750-2,499	24-751	23
Swine that weigh less than 55lbs	10,000	3,000-9,999	91-2,999	90
Horses	500	150-499	6-151	5
Sheep or lambs	10,000	3,000-9,999	91-2,999	90
Turkeys	55,000	16,500-54,999	496-15,999	495
Laying hens or broilers if facility uses liquid manure handling system	30,000	9,000-29,999	271-8,999	270
Chickens, other than laying hens, if facility uses manure handling method that is not liquid manure handling system	125,000	37,500-124,999	1126-37,499	1125
Laying hens if facility uses manure handling method that is not liquid manure handling system	82,000	25,000-81,999	751-24,999	750
Ducks, if facility uses manure handling method that is not liquid manure handling system	30,000	10,000-29,999	301-9,999	300
Ducks, if facility uses liquid manure handling system	5,000	1,500-4,999	46-1,499	45

PROCEDURES FOR DRILLING A NEW WELL

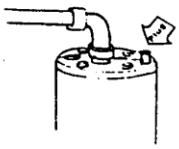
1. Select a well driller that is registered with the State of Ohio.
2. Complete the application at the Darke County Health Department for a permit to drill a well.
3. Select the well site and drive a stake at your desired spot and mark the stake "WELL"
4. The property owner, well driller, contractor or plumber must call the Health Department to make an appointment for an inspector to make an on-site inspection. This well site needs to be tagged by the Health Department before the well driller can drill the well.
5. The well permit will be mailed to you after the site location has been approved.
6. The property owner, well driller, contactor or plumber must call the Health Department to make an appointment for an inspection of the pitless adapter, before it is covered. NOTE: The pitless adapter can only be installed by someone registered with the Ohio Department of Health.
7. When plumbing is completed, chlorinate your well and water systems following the enclosed sheet "How to disinfect a Water Well" or you may have someone chlorinate it for you.
8. Call for a water sample after the chlorine has been flushed out of the system. Water samples are taken Thursday afternoons.
9. Water samples from private systems shall be collected a minimum of 48 hours after the well has been chlorinated and completely flushed to remove all residual chlorine from the system. Water to be tested shall be checked for the presence of chlorine prior to analysis.
10. It is best not to flush large amounts of water into your sewage treatment system.
11. One water sample is included in the well permit fee. If a sample has an unsatisfactory result, an additional sample needs to be paid for before the sample can be scheduled.
12. A satisfactory (4 coliform units/100mL or less) water sample report is required before the well can be approved.
13. A private water system shall not be located within a one-year floodplain.
14. The department may set isolation distance requirements in excess of those set forth in this rule if conditions are known to exist where the distance set forth in this rule is considered insufficient to protect the public health and the private water system from contamination.
15. No potential source of contamination may be constructed or permanently placed within the cited isolation distances from a water supply of a private water system. A private water system owner shall be responsible for maintaining isolation.

RECOMMENDED GUIDELINES TO DISINFECT A WATER WELL



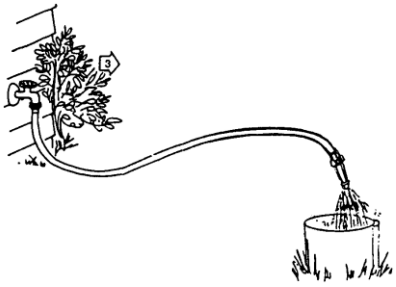
1. Turn on outside spigots and run the water for several hours. Bypass the water softener.

2. Remove the well cap or the vent plug if the well is equipped with a sanitary well seal.



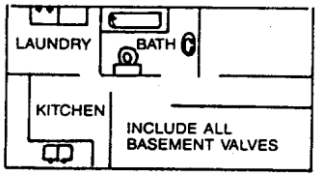
3. Pour 2 gallons of household bleach (5.25% chlorine) directly into the well.

4. Connect a hose to a house spigot and run water directly into the well until the chlorine odor is present in the water. Run the water this way for 15 minutes.



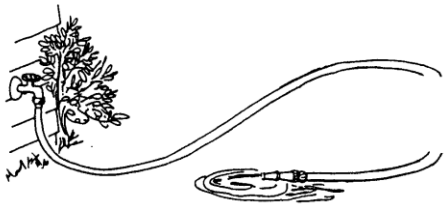
5. Shut off water hose. Add 2 quarts of white distilled vinegar directly into the well. Then, run water into the well for 10 minutes.

6. Shut off water supply to hose and proceed to systematically open each water fixture until chlorine odor is present. Include both cold and hot water valves.



7. Close all valves and pour another 2 gallons of bleach directly into the well. Recap the well or replace the vent pipe or plug. Leave all valves closed for a period of 24 hours or longer.

8. Open the hose spigot and discharge water to ground surface or drainage ditch until chlorine odor disappears. Open **every** household fixture and let water run until the chlorine odor is gone. Close all valves and leave them closed for a minimum of 2 hours. Open **every** household fixture again and let water run until chlorine odor is gone. Repeat previous steps until no chlorine odor is present when the fixtures are opened.



9. The well should now be disinfected. Please note that one-third of all first water samples for newly drilled wells test positive for coliform bacteria, and must be re-chlorinated and retested. Contact the Health Department to make an appointment for your water test. *Water samples shall be collected a minimum of* ***48 hours*** *after the well has been chlorinated and completely flushed to remove all residual chlorine from the system.* Water to be tested shall be checked for the presence of chlorine prior to analysis. Water samples are taken Thursday afternoons. A satisfactory test must be obtained for approval of the water system.