

# VERMILION COUNTY HEALTH DEPARTMENT



## ORDINANCE GOVERNING WATER WELLS



**AN ORDINANCE GOVERNING POTABLE WATER WELLS AND WATER  
SUPPLIES IN VERMILION COUNTY, ILLINOIS**

**SECTION I: PURPOSE**

- 1.1 This ordinance is established to eliminate disease transmission and chemical poisons through provision of a safe, potable, adequate supply of water for drinking, culinary and sanitary purposes for every individual within Vermilion County, Illinois.

**SECTION II: DEFINITIONS**

- 2.1 Cistern means a source of water supply developed by intercepting rainfall with roof surfaces.
- 2.2 Community Water System means a public water system which serves at least 15 service connections used by residents or regularly serves at least 25 residents at least 60 days a year.
- 2.3 County Health Department means the Vermilion County Health Department.
- 2.4 Health Administrator shall mean the Administrator of the Vermilion County Health Department or his authorized representative(s).
- 2.5 Non-Community Water System means a public water system that is not a community water system, that has at least 15 service connections used by non-residents, or regularly serves 25 or more non-resident individuals daily for at least 60 days a year.
- 2.6 Private Water Supply means any supply which provides water for drinking, culinary and sanitary purposes and serves an owner occupied single family dwelling.

- 2.7 Public Water System means a system for the provision to the public of piped water for human consumption, if the system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year. The term Public Water System includes any collection, treatment, storage and distribution facilities under control of the operator of such system and used primarily in connection with such system and any collection or pretreatment storage facilities not under such control which are used primarily in connection with such system.
- 2.8 Semi-Private Water System means a water supply which is not a public water system, yet which serves a segment of the public other than an owner-occupied single family dwelling.
- 2.9 Water Well means any excavation that is drilled, cored, bored, washed, driven, dug, jetted or otherwise constructed when the intended use of such excavation is for the location, diversion, artificial recharge or acquisition of ground water, but such term does not include an excavation made for the purpose of obtaining or prospecting for oil, natural gas, minerals or products of mining or quarrying or for inserting media to repressure oil or natural gas bearing formation or for storing petroleum, natural gas or other products or for observation or any other purpose in connection with the development of operation of a gas storage project.

### **SECTION III: PUBLIC WATER SUPPLY USE**

- 3.1 In those locations where a public water supply is reasonably available, that supply should be the sole source of water for drinking and culinary purposes.

**SECTION IV: WATER SUPPLY LOCATION, CONSTRUCTION AND REPAIR**

4.1 Water Wells. Except as otherwise herein provided, the location, construction, repair and disinfection of water wells, and the installation of water well pumps, shall be in accordance with the requirements set forth by the Illinois Department of Public Health Illinois Water Well Construction Code (77 Ill. Adm. Code 920) and Illinois Water Well Pump Installation Code (77 Ill. Adm. Code 925), which are hereby made part of this ordinance by reference.

Copies of said Regulations shall be available at the County Health Department office.

Wells that are abandoned shall be sealed in a manner prescribed by the Illinois Water Well Construction Code.

4.2 Surface Water Supplies. All non-community and semi-private water systems which receive their source of water from ponds, lakes, streams, rivers or other surface collectors of water shall be designed, constructed, and operated in accordance with the Illinois Department of Public Health Surface Source Water Treatment Code (77 Ill. Adm. Code 930).

4.3 Cistern. Cisterns shall not be used for a water supply except where adequate ground water resources are not available. Non-community and semi-private water systems that use cistern water and surface water supplies shall receive treatment in accordance with the Illinois Department of Public Health Surface Source Water Treatment Code (77 Ill. Adm. Code 930).

**SECTION V: DISINFECTION AND ANALYSIS**

5.1 Owners of newly constructed wells or other types of water supplies which supply a semi-private water system shall have the water from their semi-private water supply analyzed and approved by either the laboratory by the Illinois Department of Public Health or a laboratory approved by the Illinois Department of Public Health before the well or other water supply is placed into service. A copy of the analysis shall be filed with the County Health Department. The water obtained from a surface supply shall meet the nitrate, turbidity, and bacteriological requirements contained in Sections 900.50, 900.60 and 900.70 of the Illinois Department of Public Health Drinking Water Systems Code (77 Ill. Adm. Code 900), and the water obtained from a well shall meet the nitrate and bacteriological requirements of Section 900.50 and 900.70 of the Drinking Water Systems Code.

**SECTION VI: WATER LINES**

6.1 Except as otherwise herein provided, the location, construction, and material standards of all water lines of the distribution system shall be in accordance with the requirements set forth by the Illinois Department of Public Health's Plumbing Code (77 Ill. Adm. Code Chapter I 890).

**SECTION VII: PERMIT REQUIRED**

7.1 A permit to construct or deepen a water well such as a private water well,

semi-private water well, non-community water well and non-potable water wells such as, but not limited to, wells used solely for irrigation purposes or livestock watering must be obtained from the County Health Department.

- 7.2 All wells and pumps shall be maintained in a safe condition by the owner.
- 7.3 A non-community public water supply shall not be operated without first obtaining a permit from the Illinois Department of Public Health.
- 7.4 The requirement for permit in this ordinance shall not be applicable to wells intended to serve a community public water supply system, and to monitoring wells.

**SECTION VIII: APPLICATION FOR PERMIT**

- 8.1 Applications for permits shall be in writing and in such form that shall be prescribed by the County Health Department.
- 8.2 A permit application fee of one hundred dollars (\$100.00) shall be paid to the County Health Department before a permit is issued.
- 8.3 A permit shall be valid for a period of 12 months, thereafter a new permit must be obtained.

**SECTION IX: REQUIRED INSPECTIONS**

- 9.1 The County Health Department shall be notified by telephone or in writing at least 48 hours prior to the commencement of any work to construct or deepen a well for which a permit has been issued, or to seal a water well, boring, or monitoring well. The County Health Department shall be allowed access to any property for the purpose of performing inspection of water well construction or to inspect the sealing of wells or to investigate abandoned wells.

**SECTION X: LICENSING OF WELL DRILLERS AND PUMP INSTALLERS**

10.1 All individuals who construct water wells and install well pumps shall be licensed by the Illinois Department of Public Health in accordance with the Water Well and Pump Installation Contractor's License Act Chapter III, Paragraph 7101 et seq. latest edition.

**SECTION XI: ENFORCEMENT**

11.1 This rule and ordinance shall be enforced by the Administrator and his authorized representatives.

11.2 No person shall violate any provision of this ordinance or order made in pursuance thereof, obstruct or interfere with the execution of an order, or willfully neglect to obey an order.

**SECTION XII: PENALTIES**

12.1 A violation of any of the provisions of this ordinance, excluding sections where penalties are otherwise provided by law, is a petty offense punishable by a fine not less than \$25.00 nor more than \$500.00 for each offense, as provided by law. Each day the violation continues shall constitute a separate offense.