

## MACOUPIN COUNTY ORDINANCE

WATER WELL PERMIT AND WATER SUPPLYPreamble

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 the health jurisdiction.

DEFINITIONS

County Health Department means the Macoupin County Health Department.

Public Water System means a system for the provision to the public of piped water for human consumption, if the system has at least fifteen (15) service connections or regularly serves an average of at least twenty-five (25) individuals daily at least sixty (60) days per year. The term Public Water System includes any collection, treatment, storage and distribution facilities under control for 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.

Community Water System means a public water system which serves at least fifteen (15) service connections used by residents or regularly serves at least twenty-five (25) residents at least sixty (60) days a year.

Non-Community Water System means a public water system that is not a community water system, that has at least fifteen (15) service connection used by non-residents, or regularly serves twenty-five (25) or more non-resident individuals daily for at least sixty (60) days a year.

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-operated single family dwelling.

Water Well means any excavation that is drilled, cored, bored, driven, dug or otherwise constructed for the division, artificial recharge or acquisition of ground water, but does not include wells for the purpose of obtaining or prospecting for oil, natural gas, minerals or products of mining or quarry or for inserting media to repressure oil or natural gas-bearing formations or for storing petroleum products, or monitoring wells. **when the intended use of such excavation is for the location.**

## ADOPTION BY REFERENCE

In addition to those provisions set forth, this Ordinance shall be interpreted and enforced in accordance with provisions set forth in the follow statutes, rules, and regulations of the State of Illinois, Department of Public Health and any subsequent amendments or revisions thereto, which publications are incorporated herein and adopted by reference as part of this Ordinance.

1. "Illinois Water Well Construction Code." (77 Ill. Adm. Code 920)
2. "Illinois Water Well Pump Installation Code." (77 Ill. Adm. Code 925)
3. "Public Area Sanitary Practice Code." (77 Ill. Adm. Code 895)
4. "Drinking Water Systems Code." (77 Ill. Adm. Code 900)
5. "Surface Source Water Treatment Code." (77 Ill. Adm. Code 930)

Cross Ref. Supv. JJ p. 70

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### SECTION I PUBLIC WATER SUPPLY USE

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 II WATER SUPPLY LOCATION, CONSTRUCTION AND REPAIR

A. 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 Healthy Department office. Wells that are abandoned shall be sealed in a manner prescribed by the Illinois Water Well Construction Code. (No well in use will be left uncovered.)

B. Surface Water Supplies. All 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).

C. Cisterns. Cisterns shall not be used for a water supply except where adequate groundwater resources are not available. 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). In addition, cisterns that are abandoned shall be filled with an impermeable material such as clay.

### SECTION III DISINFECTION AND ANALYSIS

~~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 of 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~~

**“All components of a new water well construction and/or modification shall be thoroughly disinfected with a strong chlorine solution which will yield a dosage of at least 100 parts per million to the water in the well and piping system. After purging the water system of any chlorine residual, a water sample shall be taken and analyzed by a certified laboratory and satisfactory results obtained prior to utilizing the water system for drinking and culinary purposes. The copy of the analysis shall be filed with the County Health Department. The water obtained from a semi-private water supply shall meet the requirement of the Public Area Sanitary Practice Code, Section 895.20b), and the water obtained by a private well shall meet the bacteriological and nitrate requirements of the Primary Drinking Water Standards (35 Ill. Adm. Code 611). The water from a private water system, having surface water as its source, shall meet the nitrate/nitrite, bacteriological and turbidity requirements of the Primary Drinking Water Standard (35 Ill. Adm. Code 611).**

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### SECTION IV EXEMPTIONS

The requirement for permit in this ordinance shall not be applicable to **wells** intended to serve a community public water supply system, **closed-loop** wells and monitoring wells.

### SECTION V STORAGE AND WATER LINES

A minimum storage capacity shall be determined by pump manufacturers recommended pressure tank size. **A minimum pressure of twenty (20) pounds per square inch shall be provided.**

### SECTION VI

## REGISTRATON

Te property owners of all water supplies serving other than an owner occupied single family dwelling hall register the location and type of supply, and the location of residences served with the **County Health Department** on such forms as shall be furnished by the **County Health Department**. If the owner is a firm, corporation, partnership, etc., the owner shall appoint a person to be in charge of the maintenance of the water supply, and his name shall be registered with the **County Health Department**. Any change shall be promptly reported by the owner to the **County Health Department**. (All non-community water supplies will be tested annually by the **County Health Department** at a charge of \$30.000 per test, or as required by the Illinois Department of Public Health Drinking Water Systems Code (Ill. Adm. Code 900).

## SECTION VII PERMIT REQUIRED

No water well shall be constructed or deepened(or new pumps installed) **in this county, except in accordance with these regulations and it shall** be unlawful to proceed with the construction of a potable water well without first obtaining a permit from the County Health Department (which will include bringing the well up to Code per 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]). All wells and pumps shall be maintained in a safe condition by the owner. A non-community public water supply shall not be operated without first obtaining a permit from the Illinois Department of Public Health.

~~Bored or Dug Well—Well not finished with buried slab. Bored or dug wells that are not finished as buried slab wells shall comply with the following: Annular Opening. The open space between the excavation and the installed casing shall be grouted with concrete. The concrete shall be a minimum of six inches thick and be poured without construction joints from the ground surface to a minimum of ten feet below ground level. The contractor shall be responsible for the installation of the concrete grout. The diameter of the well bore below the grouting shall be a minimum of four inches greater than the outside diameter of the well casing and shall be filled with pea gravel to the well bottom.~~

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## SECTION VII PERMIT REQUIRED (Continued)

~~The contractor shall be responsible for the installation for the backfill. If a pitless adaptor is scheduled to be installed within seven calendar days, the earth backfill may terminate one foot below the frost level. The diameter of the well bore below the buried slab shall be a minimum of four inches greater than the outer diameter of the well casing and shall be filled with pea gravel to the well bottom.~~

SECTION VIII  
APPLICATION FOR PERMIT

Applications for permits shall be in writing and in such form that shall be prescribed by the County Health Department. Each permit shall include a County Health Department fee of ~~\$75.00~~. **\$100.00**.

SECTION IX  
REQUIRED INSPECTION

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 depend a water 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  
VIOLATIONS

Any person violating any provision of this ordinance, upon conviction, shall be fined not less than one hundred dollars (~~\$100.00~~). **(\$100.00 ) nor more than seven hundred and fifty dollars (\$ 750.00)**. Each day the violations continues shall constitute a distinct and a separate offense.

SECTION XI  
LICENSING OF WELL DRILLERS AND PUMP INSTALLERS

All individuals who construct water wells and install (or repair) well pumps, (including licensed plumbers,) shall be licensed with the Illinois Department of Public Health in accordance with The Water Well and Pump Installation Contractor License Act, Chapter ~~111, Paragraph 7101 et seq., latest edition.~~ **225 ILCS 345/1**

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SECTION XII  
REPEAL ND DATE OF EFFECT

All ordinances and parts of ordinances in conflict with this ordinance are hereby repealed, and these rules and regulations shall be in full force and effect immediately upon its adoption and publication as provided by law.

SECTION XIII  
UNCONSTITUTIONALLY CLAUSE

Should any section, paragraph, sentence, clause or phrase of this ordinance be declared unconstitutional or invalid for any reason, the remainder of this ordinance shall not be affected thereby.

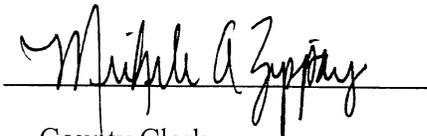
SECTION XIV  
EFFECTIVE DATE

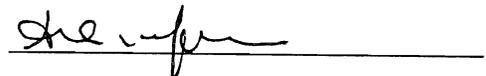
This ordinance shall become effective after August 23, 1991.

PASSED AND APPROVED BY THE COUNTY BOARD OF MACOUPIN COUNTY,  
ILLINOIS, THIS 13<sup>th</sup> DAY OF August 1991.

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ATTEST:

  
\_\_\_\_\_  
, County Clerk

  
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Chairman, Macoupin County Board