

CHAPTER 18

WATER WELLS AND WATER SUPPLY SYSTEMS

Article 1. General Requirements.

Sec. 18-101. The following article of the Indiana Administrative Code, including the terms defined in the article, are incorporated by reference as a part of this chapter: 310 IAC 16, Water Well Drillers. All water well drillers operating in Marion County shall comply with the terms and provisions of this chapter and the incorporated article. In the event of any conflict between the provisions of the incorporated article and this chapter, the provisions of this chapter shall govern.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-102. If the Health Officer determines that water from a private well used by humans for drinking, food preparation, washing or other direct human contact presents a chemical, biological or radiological threat to the persons served by the private well, whenever a public water main becomes available within 100 feet of any property line of the residential or business property served by the private well, the owner of the property shall:

- (a) Establish a direct connection for the property to the public water main as soon as practicable;
- (b) Abandon the private well pursuant to 310 IAC 16-10-2 as soon as practicable; and
- (c) Report the abandonment of the private well to the Health Officer within two (2) business days.

Notwithstanding the foregoing, a request to use such a private well for industrial purposes may be approved by the Health Officer upon a presentation of proof that the use of the private well will not create a hazard to human health.

[Gen.Ord. 17-1996(A) Passed 11/20/96 Effective Date 11/1/96]

Article 2. Permits; Inspections; General Requirements.

Sec. 18-201.

- (a) Before commencement of construction of any water well not serving a municipality or a public utility, a licensed water well driller shall obtain a well permit signed by the Health Officer. No person shall perform any work on the project until a well permit is obtained and posted in a conspicuous place on the premises. A licensed water well driller must submit to the Health Officer a completed application, including a well permit and inspection fee in the amount of Thirty Dollars (\$30.00) and any plans, specifications and other information deemed necessary by the Health Officer.
- (b) In emergency situations, the well driller may drill the well prior to obtaining a well permit but the water from a newly drilled well shall not be used for human consumption until the application for the well permit has been filed, the permit has been issued, and the well has been inspected and approved by the Health Officer.

In such emergency situations, the well driller shall notify the Health Officer by telephone of the pending well installation prior to installation. The subsequent application for a well permit shall explain the emergency and the reason the well was installed prior to obtaining a well permit. The well driller must obtain a well permit within two (2) business days following the start of the emergency installation.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-202. A pump installer must obtain a pump permit signed by the Health Officer within two (2) business days after installing any pump, uncovering a buried upper terminal to a well or breaking the sanitary seal of a private water supply built pursuant to the provisions of this chapter. The pump installer must submit to the Health Officer a completed application, including a pump permit and inspection fee in the amount of Thirty Dollars (\$30.00) and any plans, specifications and other information deemed necessary by the Health Officer. The water from a well with a newly installed pump shall not be used for human consumption until the application for the pump permit has been filed, the permit has been issued, and the pump has been inspected and approved by the Health Officer.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-203. A well permit shall be void if the installation is not completed in one year.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-204. After the well seal of an existing well has been broken, the well shall be disinfected pursuant to the procedures set forth in 310 IAC 16-9-1. The upper terminal of a well located in a well pit that is not properly drained to the ground surface in the immediate area or is subject to flooding shall be deemed buried for purposes of this section. If the well seal is broken, a pitless adapter shall be installed pursuant to 310 IAC 16-4-3(d).

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-205. The Health Officer shall be permitted to inspect a well installation at any stage of construction, and the permit applicant or permittee shall notify the Health Officer by phone or facsimile prior to beginning the well installation or if he intends to abandon the well.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-206. The Health Officer shall be permitted to inspect a pump installation at any stage of construction, and the permit applicant or permittee shall notify the Health Officer by phone or facsimile prior to beginning the pump installation.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-207. After installation of a new well is complete or the well seal of an existing well has been broken, the Health Officer prior to approving a well for use shall collect water samples from the well for analysis by a laboratory to determine whether the bacteriological water quality is satisfactory. The water from a newly drilled well, or from an existing well if the well seal has been broken, shall not be used for human consumption

until the well has been inspected and water samples taken and both have been approved by the Health Officer.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-208. Within thirty (30) days after drilling a well, the well driller shall provide the Health Officer and the owner with a copy of the well record submitted to the Indiana Department of Natural Resources.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-209. Sections 18-201, 18-202, 18-203, 18-204 and 18-207 of this chapter do not apply to any well used solely to monitor the quality or quantity of ground water.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Article 3. Well Pumps.

Sec. 18-301. All hand pumps, stands, or similar devices shall be installed so that there is no unprotected opening connected to the interior of the pump. The pump spout shall be a closed, downward-directed type. All hand pumps shall be bolted to a mounting flange securely fastened to the well casing. The top of the casing shall extend at least one (1) inch above the face of the flange.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-302. All power-driven pumps located over wells shall be mounted on the well casing, a pump foundation, or a pump stand, so as to provide an effective well seal at the top of the well. There is an effective seal if the well casing extends at least one (1) inch into the pump base, provided the pump is mounted on a base plate or foundation in such a manner to prevent the entry of dust and insects, and the top of the well casing is at least two (2) feet above any known flood water level. Where the pump unit is not located over the well and the pump delivery or suction pipe emerges from the top of the pump, a watertight expanding gasket or an equivalent well seal shall be provided at the terminal of a conduit containing a cable for a submersible pump.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-303. All submersible pumps shall have one (1) check valve located on the discharge line above the pump and inside the well casing. If the discharge pipe is at least twelve (12) inches above the ground and slopes to drain into the well, the check valve may be located in the dwelling unit.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-304. Unless a power-driven pump is weatherproof and frostproof, a pumphouse providing access to the pump for maintenance and repair work shall be constructed to house the pump. The pumphouse floor shall be constructed of impervious material and shall slope away in all directions from the well or suction pipe.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-305. Discharge lines and vacuum lines from the well to the foundation of heated buildings shall be protected against freezing.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18- 306. All well vents shall be piped water-tight to a point not less than twenty four (24) inches above any known flood water level, and, in any event, to the top of the well casing.

Such vent opening and piping shall be of sufficient size to prevent clogging by hoarfrost and in no case less than one-quarter inch in diameter. The terminals of vent pipes shall be shielded and screened to prevent the entrance of foreign matter and preferably should be turned down. If toxic or inflammable gases are vented from the well, the vent shall extend to the outside atmosphere at a point where the gases will not produce a hazard. Openings in pump bases shall be sealed water-tight.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18- 307. All pressure water systems shall have a faucet on the discharge side of, and as close as possible to, the pump for the collection of water samples. The sampling faucet shall have a smooth, turned-down nozzle. A hose bib shall not be used.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-308. No material will be used in the well or pump installation that will result in the delivered water being toxic or having an objectionable taste or odor. All metallic and non-metallic materials shall have sufficient structural strength and other properties consistent with the purpose for which they were installed. Flexible or non-rigid plastic pipe shall not be used for suspending submersible pumps, unless the piping has the physical properties to withstand the torque and load to which it is subjected.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-309. Offset pumps and sampling faucets shall be located where they are readily accessible.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]

Sec. 18-310. Pressure tanks or approved substitutes used as a part of the water system shall be of such size as to prevent excessive wear of the pump due to frequency of starting or stopping.

[Gen.Ord. 2-1996(A) Passed 4/17/96 Effective Date 5/1/96]