

4725.4350 WATER-SUPPLY WELL DISTANCE FROM WATER BODIES; PROTECTIONS IN FLOOD AREAS.

Subpart 1. **Distance from water bodies.** The minimum horizontal distance between a water-supply well and the ordinary high water level of a stream, river, pond, storm water retention pond, or lake is 35 feet. The isolation distance does not apply to:

- A. an area protected by a flood control structure accepted by the United States Federal Emergency Management Agency (FEMA), as designated on a FEMA flood map;
- B. a wetland, grassed waterway, depression, culvert, or ditch holding water less than six months of the year; or
- C. an artificial pond holding less than 5,000 gallons of water.

Subp. 2. **Flood protection.** A water-supply well must be constructed to prevent the entry of flood water into the well by:

- A. extending the casing at least five feet above the regional flood level;
- B. installing a watertight seal and extending the casing ten feet above the established ground surface, if the regional flood level is more than five feet above the established ground surface;
- C. installing an outer, neat-cement grouted protective casing in accordance with part 4725.6755, subpart 2, item B, extending the protective casing and well casing a minimum of two feet above the established ground surface, and installing a waterproof threaded cap or a waterproof compression seal with drawbolts and a one-piece top plate on both casings; or
- D. extending the casing a minimum of two feet above the established ground surface, installing a sealed spool, or flowing well pitless unit, and installing a waterproof, nonvented compression seal.

The requirements in this subpart do not apply to a water-supply well located in an area protected by a flood control structure accepted by the United States Federal Emergency Management Agency (FEMA), as designated on a FEMA flood map.

Statutory Authority: *MS s 103I.101; 103I.111; 103I.205; 103I.221; 103I.301; 103I.401; 103I.451; 103I.501; 103I.525; 103I.531; 103I.535; 103I.541; 103I.621; 144.05; 144.12; 144.383; 157.04; 157.08; 157.09; 157.13*

History: *17 SR 2773; 33 SR 211*

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