

4725.5475 HYDROFRACTURING WATER-SUPPLY WELLS.

Subpart 1. **Scope.** This part applies to hydrofracturing a water-supply well, as defined in part 4725.0100, subpart 30f. A remedial water-supply well, or other well or boring regulated by this chapter, must not be hydrofractured. Hydrofracturing must be done by a well contractor licensed according to Minnesota Statutes, section 103I.525.

Subp. 2. **Injection materials, water, and proppants.**

A. Water used for hydrofracturing must be potable water containing a chlorine residual. The use of surface water, unless obtained from a public water system, is prohibited.

B. Additives must meet the requirements of ANSI/NSF Standard 60-2003e as determined by a person accredited by the ANSI under ANSI Standard Z34.1-1993.

C. Proppants may be used to hold the joints and fractures open, and must be inert, clean, and nontoxic materials, including chlorinated, noncalcareous, washed sand.

Subp. 3. **Restrictions.** The following restrictions apply when hydrofracturing.

A. The upper packer must be a minimum of 50 feet below the established ground surface.

B. Hydrofracturing must not occur inside a casing. The upper packer must be a minimum of ten feet below the lower termination of a casing.

C. Hydrofracturing must only be done in igneous or metamorphic bedrock.

D. A water-supply well must not be hydrofractured unless located according to the isolation distances in parts 4725.4350 and 4725.4450.

Subp. 4. **Requirements.** The following requirements apply when hydrofracturing. The person hydrofracturing must:

A. remove additives injected during hydrofracturing;

B. disinfect a hydrofractured water-supply well upon completion of hydrofracturing, according to part 4725.5550;

C. collect a water sample from a hydrofractured water-supply well used for drinking or other potable purposes, and test the sample according to part 4725.5650; and

D. complete and submit a well and boring construction record, or amended record, within 30 days of completion of hydrofracturing.

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*

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