

**4725.1833 BORED GEOTHERMAL HEAT EXCHANGER CONSTRUCTION PERMITS.**

This part applies to the construction of bored geothermal heat exchangers.

A. A bored geothermal heat exchanger must not be constructed, or have piping installed or removed below the frost line, until a permit has been issued by the commissioner to the well contractor or limited well/boring contractor licensed to construct bored geothermal heat exchangers.

B. The well contractor or bored geothermal heat exchanger contractor must submit to the commissioner a bored geothermal heat exchanger permit application on a form provided by the commissioner. The application must be legible and signed by the well contractor or bored geothermal heat exchanger contractor and the property owner or property owner's agent.

C. A permit application must be completed for each bored geothermal heat exchanger and must include:

(1) the name and license number of the well contractor or bored geothermal heat exchanger contractor;

(2) the name and address of the owner of the property on which the bored geothermal heat exchanger will be installed;

(3) the township number, range number, section and one quartile, and the property street address if assigned, of the proposed bored geothermal heat exchanger;

(4) a plan diagram showing the location of the bored geothermal heat exchanger borings, property lines, and structures on the property;

(5) the geological materials expected to be encountered by the borings;

(6) the number, diameter, and depth of all bore holes drilled to install the bored geothermal heat exchanger piping;

(7) the grout materials and grouting method;

(8) the type of heat transfer fluid to be used; and

(9) the system operating pressure.

D. The bored geothermal heat exchanger must be constructed within 18 months of the date the permit is issued.

**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; 144.122; 144.383; 157.04; 157.08; 157.09; 157.13*

**History:** *17 SR 2773; 18 SR 1222; 25 SR 1207; 33 SR 211; L 2013 c 108 art 12 s 108; L 2014 c 275 art 1 s 136*

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