

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

This part applies to the construction of bored geothermal heat exchangers, including bored geothermal heat exchanger piping installed in a boring for thermal conductivity testing.

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 or bored geothermal heat exchanger contractor.

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. The application 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.

C. The well contractor or bored geothermal heat exchanger contractor must inform the commissioner of the proposed construction starting time 24 hours before starting construction of bored geothermal heat exchanger borings. The information must be reported by telephone, by facsimile, electronically, or in person between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays.

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

**Statutory Authority:** *MS s 103L.101; 103L.111; 103L.205; 103L.221; 103L.301; 103L.401; 103L.451; 103L.501; 103L.525; 103L.531; 103L.535; 103L.541; 103L.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; 45 SR 986*

**Published Electronically:** *April 30, 2021*