

4725.1833 VERTICAL HEAT EXCHANGER CONSTRUCTION PERMITS.

This part applies to the construction of vertical heat exchangers.

A. A vertical 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 vertical heat exchangers.

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

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

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

(2) the name and address of the owner of the property on which the vertical 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 vertical heat exchanger;

(4) a plan diagram showing the location of the vertical 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 vertical 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 vertical 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*

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