



Planning & Building Safety Department

Standard Operating Procedure (SOP)

SOP For: Earth Energy Heating Systems

* Supplementary document to the City of Brandon Building Bylaw No. 6018/55/92.

Date Created: December 16, 2014

Date Implemented: January 15, 2015

Earth Energy Heating Systems in Small Buildings

In an effort to establish uniformity in the installation of earth energy heating systems, contractors and installers of these systems will be required to submit a signed letter stating that the system conforms to all applicable codes and standards. The design and installation of earth energy heating systems is governed by CAN/CSA-C448 SERIES, “*Design and Installation of Earth Energy Systems*”. The document also provides a reference point that proper installation of heating systems will lead to good performance, serviceability and longevity.

1 Certification of Earth Energy Heating Systems

1.1. Application

a) This procedure applies to earth energy heating systems that act as either the primary or secondary heating source for buildings Covered in Part 9 of the Manitoba Building Code. (See Article 1.3.3.3. of Division A in the Manitoba Building Code.)

1.2. Certification of Earth Energy Heating Systems

a) Upon completion and prior to requesting final inspection, a signed copy of the “Certification of Earth Energy Heating System” form must be submitted or left in the boiler room.

b) The Certificate shall be accompanied by a site plan showing locations of all injection and production wells.

Original signed by G. Merke

Authorized by: Greg Merke, Building Safety Manager
Planning & Building Safety Department