



REQUIREMENT TO REGISTER BOILERS AND PRESSURE VESSELS FOR AGRICULTURAL USE

EFFECTIVE JULY 1, 2021, all new installations of boilers, pressure vessels, fittings and piping used for agricultural purposes must comply with [Ontario Regulation 220/01: Boilers and Pressure Vessels](#) under the Technical Standards and Safety Act, 2000, and the [Canadian Standards Association \(CSA\) B51:24 Boiler, Pressure Vessel and Pressure Piping Code](#). The exemption that was previously in place for boilers and pressure equipment used for agricultural purposes was revoked due to growing safety concerns.



THE REGULATION PERTAINS TO THE FOLLOWING EQUIPMENT USED FOR AGRICULTURAL PURPOSES:



EXAMPLES OF EQUIPMENT EXCLUDED FROM THE REGULATION INCLUDE:

- A boiler having a heating surface of 10 square feet (0.93 square metres) or less;
- A pressure vessel, fitting or piping that contains a gas, vapour or liquid at a maximum allowable working pressure of 15 psi (103 kPa) or less;
- Pressure piping that forms part of the heating system in a building that is,
 - heated by steam at a pressure not exceeding 15 psi (103kPa), or
 - heated by water at a pressure not exceeding 160 psi (1,100 kPa) and at a temperature that does not exceed 250°F (121°C);
- A pressure vessel, fitting or piping that contains liquids not more hazardous than water and that operates at a temperature of 150°F (65°C) or less and a maximum allowable working pressure of 250 psi (1,717 kPa) or less.

See [O. Reg. 220/01](#), s. 2 for other exclusions.



BEGINNING JULY 1, 2021, NEWLY INSTALLED BOILER AND PRESSURE EQUIPMENT THAT FALLS WITHIN THE O. REG. 220/01 MUST COMPLY WITH THE FOLLOWING REGULATORY REQUIREMENTS:



Manufacturers of pressure equipment must register their designs with TSSA and the designs must meet the requirements of the applicable North American code. Once approved, a Canadian Registration Number (CRN) is issued, which must be marked on the nameplate of every boiler and pressure vessel.



Manufacturers, fabricators, contractors, assemblers or repair organizations of pressure equipment must have a valid Certificate of Authorization.



A TSSA BPV inspector conducts an installation inspection of all pressure equipment before it can be placed into service. Upon successful completion, TSSA issues a Certificate of Inspection (COI).

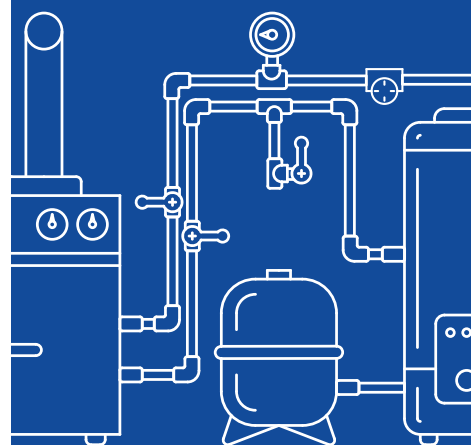


Once the owners and operators have received a COI, the certified equipment will then be subject to periodic inspection by a qualified inspector at set intervals as set forth by the TSSA Code Adoption Document (CAD). Owners must request an inspection either from their insurer or from TSSA as appropriate before the expiry date on their Certificate of Inspection.

Every owner of a device is responsible for maintaining and operating their pressure equipment safely and for [immediately reporting to the TSSA](#) any incidents that cause injury, death or property damage.

There are no changes to Operating Engineering practices.

TSSA fees for registration, inspection, engineering, and licensing services for new equipment will be levied using a cost-recovery model, according to the [TSSA Boiler and Pressure Vessel Fee Schedule](#).



EXISTING EQUIPMENT

TSSA plans to bring into compliance all currently installed boilers and pressure vessels used for agricultural purposes that fall under the regulation as of July 1, 2021. As part of the plan, TSSA will be registering equipment.

TSSA will continue to work with agricultural partners to implement the new regulatory requirements. For more information, see [FAQs](#) and [Agricultural Use – Boilers and Pressure Equipment](#). Questions may be directed to: agriculture.bpv@tssa.org.



FOR MORE INFORMATION:

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