

	<b>Boilers and Pressure Vessels</b>	Ref. No.: BPV-21-01	Rev. No.: 0
	Information Order to Owners and Operators of Boilers and Pressure Equipment used in Agricultural Operations	Date: 1 October 2021	Date:

**IN THE MATTER OF:**

**THE *TECHNICAL STANDARDS AND SAFETY ACT, 2000*, S.O. 2000, c. 16 (the “Act”)**

- and -

**ONTARIO REGULATION 220/01 (Boilers and Pressure Vessels) made under the Act**

**Subject: Information Order to Owners and Operators of Boilers and Pressure Equipment used in Agricultural Operations**

The Director of Ontario Regulation 220/01 (Boilers and Pressure Vessels), pursuant to the authority under section 30 of the *Technical Standards and Safety Act, 2000* (as amended), orders that those persons operating boilers and pressure equipment used for agricultural purposes provide the following by no later than November 30, 2021:

1. Report this equipment using the Form to Report Pressure Equipment Used for Agricultural Purposes here. Please complete one form per site/facility. For example, if you have more than one greenhouse, each with a separate address, please complete one form per address.
  
2. Complete and submit the online form [to TSSA's website](#) or mail a printed copy to:

Director, Ontario Regulation 220/01, Boilers and Pressure Vessels  
 Technical Standards and Safety Authority  
 345 Carlingview Drive  
 Toronto, ON  
 M9W 6N9

**Background:**

Effective July 1, 2021, all boilers, pressure vessels (BPVs), fittings and piping used for agricultural purposes must comply with the *Technical Standards and Safety Act, 2000's* [Ontario Regulation 220/01: Boilers and Pressure Vessels](#) and the [Canadian Standards Association \(CSA\) B51:19 Boiler, Pressure Vessel and Pressure Piping Code](#).

The lifting of the regulatory exemption that was previously in place for agricultural BPVs is an important safety milestone in Ontario. The exemption was revoked due to growing safety concerns that were also highlighted by the Office of the Auditor General of Ontario in the 2018 report.

Please visit [Agricultural Use –BPV](#) for more information on what owners, operators and insurers of BPVs, fittings and piping used for agricultural purposes need to do to comply with safety laws in Ontario.

DATED at Toronto this 1<sup>st</sup> day of October 2021

ORIGINAL SIGNED BY: \_\_\_\_\_

**Ajay Raval**

Director, Ontario Regulation 220/01 (Boilers and Pressure Vessels), appointed under the *Technical Standards and Safety Act, 2000*



## Form to Report Pressure Equipment Used for Agricultural Purposes

345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772

[www.tssa.org](http://www.tssa.org)

Primary Contact and Address			
Owner Name/Company Name*		Corporation/Business Identification No.	
Street No.*	Street Name*	Unit/Suite	
Town / City or Township / County*		Province*	Postal Code*
Contact Name*	Telephone No.*	E-mail*	

Does your site have a bio-security protocol?  Yes  No

Do you have boiler/machinery breakdown insurance? \*  Yes  No  
If yes, please provide the information below:

Name of Insurer: \_\_\_\_\_

Have you had a loss prevention evaluation conducted at your site?\*  Yes  No

**Location descriptor – Select the option(s) that best describes the location of your site. \***

Remote – Not within 250 metres of other land use

Industrial – Within 250 metres of manufacturing facilities, warehouses and open spaces (for example, parks)

Commercial – Within 250 metres of offices, restaurants, retail/entertainment centres and low-density residences

General – Within 250 metres of high-density residences, hotels and tourist resorts

Sensitive – Within 250 metres of hospitals, childcare centres, and long-term care homes

### Equipment Description

Please indicate the number and type of boilers, refrigeration equipment and other types of pressure equipment installed at this location.  
NOTE: Please insert "0" if none.

**Boilers – Please indicate number and type of boilers at this location. Insert "0" if none.**

Number of water boilers\*: \_\_\_\_\_

Number of steam boilers operating above 15 psi\*: \_\_\_\_\_

Number of steam boilers operating below 15 psi\*: \_\_\_\_\_

**Refrigeration Equipment Classified by Refrigerant – Please indicate number and type of refrigeration equipment at this location. Insert "0" if none.**

Ammonia – Number of systems using ammonia\*: \_\_\_\_\_

Carbon Dioxide (CO2) – Number of systems using CO2\*: \_\_\_\_\_

Other Refrigerants – Number of systems\*: \_\_\_\_\_

**Other Pressure Equipment – Please indicate type/fluid, pressure and number of systems.**

Type\*:  Piping  Pressure Vessels  Deaerator  Autoclave/sterilizer  Other  Not applicable

Fluid\*:  Water  Steam  Refrigeration  Ammonia  Thermal Fluid  Lethal  Fired  Cryogenic  Not Applicable  Other

Number of systems\*: \_\_\_\_\_ Pressure in psi\*: \_\_\_\_\_

# Reporting Pressure Equipment Used for Agricultural Purposes

As of July 1, 2021, all boilers, pressure vessels, fittings and piping used exclusively for agricultural purposes must comply with:

Ontario Regulation 220/01: Boilers and Pressure Vessels

(<https://www.ontario.ca/laws/regulation/010220>), under the *Technical Standards and Safety Act, 2000*. This regulation applies to the design, construction, maintenance, use, operation, repair and service of boilers, pressure vessels and piping in Ontario.

Canadian Standards Association (CSA) B51:19 Boiler, Pressure Vessel and Pressure Piping Code

(<https://www.csagroup.org/store/product/2701790/>), a national code that promotes safe design, construction, installation, operation, inspection, and repair practices.

The Government of Ontario revoked the exemption in O.Reg. 220/01

(<https://www.ontario.ca/laws/regulation/010220>) that was previously in place for boilers and pressure equipment used for agricultural purposes due to growing safety concerns.

## Equipment that must be reported

The regulation pertains to the following equipment used for agricultural purposes (unless excluded as described below):

- Steam boilers
- Water boilers
- Pressure Vessels
- Refrigeration equipment using ammonia, carbon dioxide, Group A1 refrigerants, and all other refrigerants

## Reporting Your Equipment

Owners and operators of boilers, pressure vessels, fittings and piping used exclusively for agricultural purposes must report this equipment using this form.

Please complete one form per site/facility. For example, if you have more than one greenhouse, each with a separate address, please complete one form per address.

TSSA will notify you via email one month before the first inspection date. If you wish to reschedule the first inspection, you can do so by contacting [inspectionsscheduling@tssa.org](mailto:inspectionsscheduling@tssa.org) or 1-833-939-8772 (or 1-833-WFP-TSSA).

Priority for site inspection will be given to agricultural operations with high-risk devices.

TSSA plans to complete first inspections of agricultural sites over the next five years.

If you have any questions, please send an email to [agriculture.bpv@tssa.org](mailto:agriculture.bpv@tssa.org).