

Amendments to the Oil & Gas Code Adoption Document (CAD) 2020

TSSA has completed an online consultation on the Code Adoption Document (CAD) amendments for the Oil and Gas Pipeline Systems. The CAD will be published on December 1st, 2020 and effective February 1st, 2021.

The Oil & Gas Pipelines' CAD is adopted by reference in O. Reg 210/01 (Oil and Gas Pipeline Systems). The CAD adopts a series of national safety codes into regulation.

TSSA will adopt the latest edition of the CSA Z662 standard (2019 edition) published by the Canadian Standards Association group on July 2019. The summary below highlights the notable changes from the latest edition of Z662 that affect the safe operation of pipelines.

Summary of Consultation

TSSA would like to thank all individuals who participated in the consultation. There were 197 visitors to the Bang the Table website, 66 visitors reviewed or downloaded the attached documents, and 3 individuals submitted text responses (via the website).

TSSA updated a code reference from 2015 to 2019 (clause 4.3.3) based on the feedback received.

Please see the published Oil and Gas Pipelines Systems CAD [here](#). The Oil and Gas Pipelines Systems CAD will come into effective February 8th, 2021.

Code Adoption Summary(included in the consultation)

Codes adopted	Publication date	Summary of changes in the codes and standards
Z662	2019	<ul style="list-style-type: none">• Revisions made to the requirements governing risk receptor assessments (e.g. the class location assessment areas, class location designations, class location factors, class location changes etc.).• Addition of cross-linked polyethylene (PEX) as an acceptable plastic pipe material• Enhancements to safety requirements regarding re-use of materials• Updated requirements on trenchless installations• Effective pressure cycle management added to the list of considerations to reduce imperfection failures
Z276	2015	Same code edition as the one currently being enforced in the 2018 version of CAD.
Z246.1	2017	Same code edition as the one currently being enforced in the 2018 version of CAD.

Z247	2015	Same code edition as the one currently being enforced in the 2018 version of CAD.
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The full list of changes from 2015 edition of Z662 code to the 2019 edition can be found [here](#) on CSA Group’s website (please click “Preface/Scope” tab in the menu).

Ontario Specific Amendments Summary

CAD	Existing Ontario-specific amendments	New Ontario-specific amendments added?
2018 Version	22	None
2020 Version	19	
Net change	-3	

The TSSA has removed 3 out of 22 Ontario-specific requirements in the CAD. Nineteen Ontario-specific requirements will continue to be enforced in the 2020 edition of the Oil and Gas Pipeline Systems Code Adoption Document.

Appendix A: Ontario-specific amendments removed

Specifically, TSSA has removed the following Ontario-specific amendments (*Sections here refer to sections of the 2018 version of Oil and Gas Pipeline Systems CAD)

- **Section 3(10)** – Amendment to Clause 10.3 of Z662
- **Section 3(17)** – Amendments to Clause 12.10.12 of Z662 regarding design pressure calculations
- **Section 3(18)** – Amendments to Clause 12.10