



Boilers and Pressure Vessels Safety and Fuels Safety Programs	Ref. No.: FS-241-18 BPV-18-02
	Date: September 4, 2018
ADVISORY	

**Subject: Boilers and Pressure Vessels Safety and Fuels Safety Programs
Involvement in Piping Systems in Fuel¹ Services**

In the province of Ontario, piping systems in fuel¹ services are regulated under the Technical Standards and Safety Act and several regulations administered by the Boilers and Pressure Vessels Safety (BPVS) and Fuels Safety (FS) programs. Within TSSA, the BPVS program administers the Boilers and Pressure Vessels Regulation (O. Reg. 220/01) while the FS program administers regulations applicable to piping systems that carry fuels such as natural gas, propane, fuel oil and gasoline.

The FS program administers the Oil and Gas Pipeline Systems Regulation (O. Reg. 210/01), the Propane Storage and Handling Regulation (O. Reg. 211/01), the Gaseous Fuels Regulation (O. Reg. 212/01), the Fuel Oil Regulation (O. Reg. 213/01), the Compressed Gas Regulation (O. Reg. 214/01), and the Liquid Fuels Regulation (O. Reg. 217/01).

The following summarizes the responsibilities under these Regulations:

1. Responsibility for fuels (natural gas, petroleum products, etc.) piping regulation is defined by the Oil and Pipeline Systems Regulation and others listed above and administered by the FS program. As such, any design, engineering reviews and inspection activities that may be required under these Regulations will be managed by FS personnel.
2. Piping systems within natural gas compressor stations or liquid fuel pumping stations are considered to be an essential part of fuel pipeline operations. All design, engineering reviews and inspection activities will be managed by the FS personnel.
3. Welding procedure registration and associated personnel testing will be managed by the BPVS personnel. This requirement is already included as a BPVS program responsibility in the applicable sections of the codes adopted by the FS program.
4. Piping systems carrying fluids used for feed stock in process industries or other purposes where fluids are not used as a fuel are covered under the Boilers and Pressure Vessels Regulation and all design, engineering reviews and inspection activities that may be required under this Regulation will be managed by the BPVS personnel.

¹ A fuel includes hydrocarbons and hydrogen.

September 4, 2018 ADVISORY: Boilers and Pressure Vessels Safety and Fuels Safety Programs Involvement in Piping Systems in Fuel Services

In attachment "A", the appropriate contact within TSSA for piping systems in fuel services is identified.

Original Signed

Mike Adams,
Director Boilers and Pressure Vessels Safety Program

Original Signed

John Marshall,
Director Fuels Safety Program

September 4, 2018 ADVISORY: Boilers and Pressure Vessels Safety and Fuels Safety Programs Involvement in Piping Systems in Fuel Services

ATTACHMENT 'A'

The following provides clarification of responsibilities in the area of piping systems in fuel services within the scope of the applicable regulations^{1,2} issued under the Technical Standards and Safety Act and is subject to revision as required.

1.	Pipeline systems used in transmission and distribution of fuel within easements or public right of way (O.Reg.210/01).	FS program
2.	Piping systems within compressor stations or pump stations that fall under operation of a "pipeline system" regulated under O.Reg. 210/01 including non-fuel service such as air lines and lube oil lines	FS program
3.	Piping systems where the medium carried by the piping system is used as a fuel, generating heat (burned in appliances) or power (fueling engines, turbines, cells)	FS program
4.	Piping systems where the medium carried by the piping system is not used as a fuel, but is processed within the physical boundaries of refineries, chemical plants or treatment plants.	BPVS program
5.	Propane storage and distribution plants piping including loading, unloading and storage of un-odorized and odorized propane.	FS program
6.	Liquefied Natural Gas (LNG) piping systems outside of the physical boundaries of refineries	FS program
7.	Pressure vessels and associated relief valves (excluding piping in fuel service regulated under regulations) administered by FS program ³)	BPVS program
8.	Registration of welding procedures and certification of welders for all piping systems.	BPVS program
9.	Fuel piping systems at compressed natural gas stations.	FS program
10.	CNG storage, distribution and dispensing sites	FS program
11.	Hydrogen piping systems where hydrogen is used as a fuel or in refueling vehicles.	FS program

¹ Regulation administered by BPVS program:

Boilers and Pressure Vessels Regulation (O. Reg. 220/01)

² Regulations administered by FS program:

Oil and Gas Pipeline Systems Regulation (O. Reg. 210/01)

Propane Storage and Handling Regulation (O. Reg 211/01)

Gaseous Fuels Regulation (O. Reg. 212/01)

Fuel Oil Regulation (O. Reg. 213/01)

Compressed Gas Regulation (O. Reg. 214/01)

Liquid Fuels Regulation (O. Reg. 217/01)