

## Draft Regulation

Building Act  
(R.S.Q., c. B-1.1)

### Safety Code

Notice is hereby given, in accordance with sections 10 and 11 of the Regulations Act (R.S.Q., c. R-18.1), that Chapter I, Gas, of the Safety Code, the text of which appears below, may be approved by the Government, with or without amendment, upon the expiry of 45 days following this publication.

The draft Regulation proposes to group together, under a Safety Code, the minimum standards applicable, for the entire Québec territory, to the use, storage and distribution of gas by an owner in order to ensure the security of the public. It mainly repeats the standards currently in effect.

However, the operations of storage and filling of propane cylinders will be better managed. Henceforth, propane cylinders, whether filled or empty, will be considered filled for the purposes of calculating the volume of gas stored elsewhere than in a filling plant. Requirements specific to the filling of propane cylinders on a campground are also prescribed.

Moreover, contributions that are payable by gas undertakings according to the volume of gas sold remain in effect. The certificate of registration that an undertaking for the distribution of gas otherwise than by pipeline must currently obtain from the Régie du bâtiment du Québec is replaced by an operation permit. That permit will be issued or renewed provided that the owner or operator of a gas undertaking obtain a liability insurance with a minimum coverage of \$1 000 000 for damage caused to another person for a fault or negligence in the operation of his or her installation intended to store or distribute gas.

Further information may be obtained by contacting Jean Samson, P. Eng., Régie du bâtiment du Québec, 545, boulevard Crémazie Est, 7<sup>e</sup> étage, Montréal (Québec) H2M 2V2, by telephone at (514) 873-5927 or by fax at (514) 873-1939.

Any interested person having comments to make on the matter is asked to send them in writing, before the expiry of the 45-day period, to Alcide Fournier, Chairman and Executive Director, Régie du bâtiment du Québec, 545, boulevard Crémazie Est, 3<sup>e</sup> étage, Montréal (Québec) H2M 2V2.

JEAN ROCHON,  
*Minister of State for Human Resources and Labour  
and Minister of Labour*

## Safety Code

Building Act  
(R.S.Q., c. B-1.1, ss. 35.2, 175, 176, 176.1, 178, 179, 185, 1st par., subpars. 5.1, 5.2, 22, 37 and 38 and s. 192)

### CHAPTER I GAS

#### DIVISION I INTERPRETATION

**1.** In this Chapter, a reference to CSA Standard B149.1: Natural Gas and Propane Installation Code, CSA Standard B149.2: Propane Storage and Handling Code, CSA Standard B108: Natural Gas Fuelling Stations Installation Code, CSA Standard Z662: Oil and Gas Pipeline Systems or CSA Standard Z276: Liquefied Natural Gas (LNG)—Production, Storage and Handling is a reference to the code or standard referred to in Chapter II of the Construction Code made under the Building Act (R.S.Q., c. B-1.1) and to the amendments provided for in Division VII of that Chapter.

**2.** In this Chapter,

“gas installation” means an installation intended to use, store or distribute gas; and

“propane” means a liquefied petroleum gas mainly composed of propane, propylene, butane, butylene or a blend of those gases.

**3.** In Divisions II to IV of this Chapter, the terms “appliance”, “air supply”, “cylinder”, “tank truck”, “container refill centre”, “combustible”, “enclosure”, “safety limit control”, “point of transfer”, “combustion products”, “container”, “tank”, “safety shut-off valve”, “relief valve”, “filling plant”, “structure”, “venting system”, “hose connector”, “hose” and “recreational vehicle” have the meaning given to them in CSA Standard B149.1: Natural Gas and Propane Installation Code and CSA Standard B149.2: Propane Storage and Handling Code.

#### DIVISION II GENERAL

**4.** A gas installation must be used for the purposes for which it was designed and kept in safe and proper working order.

**5.** A gas installation must be used and serviced so as not to constitute fire, explosion or intoxication hazards.

**6.** The vicinity of a gas installation must not be modified so that it does not comply with Chapter II of the Construction Code.

**7.** Any necessary improvement must be made in a gas installation where, following intensive use, wear, aging or modifications, the working conditions have become dangerous.

**8.** A gas leak may not be detected by means of a match, candle, flame or any other source of ignition.

**9.** A light, including a flashlight, used to detect a gas leak must be of Class I, Group D type.

**10.** An electric switch located either in the room or adjacent to an area of gas leakage must not be operated unless it is of a Class I, Group D type.

**11.** A safety shut-off valve, a safety limit control or a relief valve must not be isolated or be made inoperative.

**12.** Where there are signs of wear or deterioration or where other damage shows in the reinforcement material of a hose or hose connector, the hose must be replaced immediately.

### DIVISION III GAS INSTALLATIONS

**13.** An appliance must be serviced in accordance with the manufacturer's instructions.

**14.** An appliance may not be used if damaged by fire, water or an explosion unless it has been verified by a person holding an appropriate competency certificate issued under the Act respecting manpower vocational training and qualification (R.S.Q., c. F-5).

**15.** No appliance may be used in a room where there are corrosive vapours.

**16.** Appliance clearance must allow the appliance to be serviced without moving it or modifying the building that shelters it or modifying neighbouring equipment.

**17.** An appliance may be used only if it complies with the provisions of Division IV of Chapter II of the Construction Code.

**18.** Where a part of an appliance must be replaced, the replacement part must have the same operational characteristics as the original part.

**19.** In an enclosure or a structure sheltering an appliance, the air supply must be sufficient to ensure complete combustion and the total venting of combustion products.

**20.** The air supply of an appliance must be free of any encumbrance.

**21.** An appliance and its venting system must show sufficient clearance so that the surface temperature of neighbouring combustible materials does not exceed 90 °C.

**22.** The venting system of an appliance must ensure the total venting of combustion products outside the building.

**23.** The piping or tubing system must have a diameter sufficient to convey the required volume of gas at the required pressure.

**24.** Where no appliance is connected to a piping outlet, the outlet must be tightly plugged or capped.

**25.** Vehicles equipped with a propane appliance must not be parked or stored inside a building, except if either one of the following conditions is met :

(1) propane storage cylinders are removed ; or

(2) propane tanks have contents in propane of no more than 50% of the maximum filling capacity allowed and all shut-off valves are closed.

### DIVISION IV USE, STORAGE AND DISTRIBUTION OF PROPANE IN CONTAINERS

**26.** Propane in containers must be used, stored and distributed in accordance with the provisions of CSA Standard B149.2: Propane Storage and Handling Code.

**27.** For the purposes of Clause 5.5 of CSA Standard B149.2: Propane Storage and Handling Code, all stored cylinders, whether filled or empty, shall be considered filled at the maximum filling capacity allowed.

**28.** Propane that is used, stored or distributed as combustible must emit a characteristic odour in accordance with Canadian General Standards Board Standard CAN/CGSB-3.14-M88: Liquefied Petroleum (Propane), as it reads at the time it applies.

**29.** Propane may not be transferred from a tank truck to a cylinder in another location than the location where the cylinder is used.

**30.** Propane from a tank truck may not be transferred into the container of a road vehicle.

**31.** The tank of the propane supply system of a road vehicle may be filled only if it bears the appropriate sticker made compulsory under the Regulation respecting safety standards for road vehicles made by Order in Council 1483-98 dated 27 November 1998.

**32.** Propane may not be transferred from a tank truck to a cylinder the total capacity of which is 20 kg of propane on a campground unless, during the transfer, the tank truck

(1) is at a location that has safety installations complying with the provisions of Clause 6.19.4 of CSA Standard B149.2: Propane Storage and Handling Code for tanks;

(2) is parked in accordance with the distances provided for in Table 6.16 of CSA Standard B149.2: Propane Storage and Handling Code for tanks.

**33.** A propane container must be painted.

**34.** Except in filling plants, propane cylinders must not be stored one stacked over the other.

**35.** Vehicles used for the transportation of propane and parked at a location other than that governed by a regulation respecting the transportation of dangerous substances made under the Highway Safety Code (R.S.Q., c. C-24.2) must be parked in accordance with the provisions of Clauses 7.15 to 7.19 of CSA Standard B149.2: Propane Storage and Handling Code.

**36.** Signs bearing the indication or the international symbol “NO SMOKING” must be installed at a conspicuous place at every entrance and point of transfer of propane of filling plants. The letters must be red on a white background or black on a yellow background and be at least 100 mm high. The symbols must have a minimum diameter of 300 mm.

**37.** Signs bearing the following indications must be installed in a conspicuous place on the tank or nearby and at the point of transfer, where propane is transferred at more than 3 m of the tank of a propane container refill centre, in a way that they can be seen from there:

(1) the indication “NO SMOKING, TURN OFF ALL SOURCES OF IGNITION” with letters at least 50 mm high;

(2) the indication “TRANSPORT CYLINDERS SECURED IN AN UPRIGHT POSITION IN A VENTILATED SPACE” with letters at least 25 mm high;

(3) the indication “IT IS AN OFFENCE TO FILL PROPANE CYLINDERS AND MOTOR FUEL CONTAINERS IN EXCESS OF 80% CAPACITY BY VOLUME” with letters at least 25 mm high; and

(4) the indication “NO SMOKING WITHIN 3 M—TURN IGNITION OFF BEFORE REFUELLING” with letters at least 25 mm high for a propane distribution location for vehicles.

The international symbols meaning “NO SMOKING” and “TURN OFF IGNITION”, measuring at least 100 mm in diameter, may be used instead of these expressions. The symbols must be red and black on a white background.

The letters on the signs must be red on a white background or black on a yellow background.

## DIVISION V DISTRIBUTION OF GAS BY PIPELINE

**38.** Gas distributed by pipeline must emit a characteristic odour in accordance with the provisions of Clause 4.17 of CSA Standard Z662: Oil and Gas Pipeline Systems.

**39.** A piped gas undertaking must notify all users affected by an interruption in service and ensure the safe restoration of service.

**40.** An installation intended to distribute gas by pipeline must be operated and serviced in accordance with the provisions of Clause 10 and Clauses 12.10, 13.2.8, 13.3.7 and 15.10 of CSA Standard Z662: Oil and Gas Pipeline Systems.

**41.** At the beginning of each fiscal year, every piped gas undertaking must send to the Régie du bâtiment du Québec its gas leak detection program for the current year, and at the end of the same year, a report on the findings and measures taken to remedy the situation. Likewise, the undertaking must send its yearly program on maintenance of the transportation systems, gas distribution systems and storage facilities.

**42.** Any piped gas undertaking must keep up-to-date the plans of its gas transportation systems, gas distribution systems and storage facilities, as well as the location of valves, regulators and other accessories.

**43.** Any piped gas undertaking must send to the Régie, within 90 days following the end of each fiscal year, a report on the state of its distribution system. The report must contain the information referred to in Schedule I and be presented in the prescribed form.

#### **DIVISION VI** USE, STORAGE AND DISTRIBUTION OF NATURAL GAS IN CONTAINERS

**44.** The natural gas supply system of a road vehicle may be filled only if the vehicle bears the appropriate sticker that was made compulsory under the Regulation respecting safety standards for road vehicles.

**45.** In a container refill centre for vehicles, natural gas must not be distributed at a pressure in excess of that provided for in Clause 3.4 of Clause 3 of CSA Standard B108: Natural Gas Fuelling Stations Installation Code.

**46.** An installation intended to store liquefied natural gas must be operated and serviced in accordance with the provisions of Clause 12 of CSA Standard Z276: Liquefied Natural Gas (LNG)—Production, Storage and Handling.

**47.** Where natural gas cylinders are filled, stored and used elsewhere than in a refill centre for vehicles, it must be done in accordance with the provisions of Clauses 8.2 to 8.5 of Clause 8 of CSA Standard B149.1: Natural Gas and Propane Installation Code.

#### **DIVISION VII** OPERATION PERMIT

**48.** The owner of an installation independent of a building and intended to store or distribute gas shall obtain a permit for each place of operation of the installation or for each vehicle intended to distribute gas if the owner has no establishment in Québec.

**49.** The owner or the owner's representative shall file with the Régie an application for a permit containing the following information:

(1) the name, domicile address of the owner or representative and, where applicable, the number of the declaration of registration deposited in the register of sole

proprietorships, partnerships and legal persons instituted under section 58 of the Act respecting the legal publicity of sole proprietorships, partnerships and legal persons (R.S.Q., c. P-45);

(2) for a partnership or a legal person, its name, the address of its head office, the number of the declaration of registration referred to in paragraph 1;

(3) the address where the place of operation of the installation is located or, if the owner or representative has no establishment in Québec, the registration number of the vehicle intended to distribute gas;

(4) for the place of operation:

(a) the quantity of gas sold during the preceding year;

(b) the quantity of gas that was bought:

i. in Québec from a refinery;

ii. from a source of supply outside the province of Québec;

iii. in Québec elsewhere than from a refinery;

(c) the date on which the place began operating;

(d) the use of the place;

(e) the name of the employees who work there and who hold competency certificates issued under the Act respecting manpower vocational training and qualification; and

(f) the number of storage containers and their individual capacity in litres or United States gallons.

**50.** Any application for an operation permit must include an attestation according to which the information contained therein is accurate and complete.

**51.** The fee payable for the issue or renewal of an operation permit is \$136. Notwithstanding the foregoing, the fee is \$40 for an installation independent of a building and intended to store or distribute gas in cylinders only and if gas is not transferred there. The fee must be paid to the Régie and be attached to the application for the issue or renewal of a permit.

**52.** The operation permit issued by the Régie contains the following information:

- (1) the name of the owner of the installation or vehicle;
- (2) the address of the place of operation of the installation or the registration number of the vehicle for which the permit is issued;
- (3) the date of issue of the permit; and
- (4) the number of the declaration referred to in paragraph 1 or 2 of section 49, if applicable.

**53.** The holder of an operation permit shall post it in a conspicuous place, that is, at the place of operation or in the vehicle intended to distribute gas.

**54.** The term of a permit is one year.

**55.** The application for renewal of a permit must be filed with the Régie at least 30 days before the expiry date of the permit.

**56.** An operation permit is non-transferable.

**57.** The operation permit is suspended as long as its owner does not comply with an order issued under section 123 or 124 of the Building Act.

**58.** A person who applies for the issue or renewal of an operation permit shall obtain and maintain in effect, during the entire term of the permit, an insurance of a minimum coverage of \$1 000 000 to cover his or her liability for damage caused to another person for a fault or negligence in the operation of his or her installation. The insurance must provide for a commitment by the insurer to inform the Régie of his or her intent to terminate the contract.

An attestation of the insurer according to which the insurance meets the requirements of the first paragraph must be sent to the Régie with the application for the issue or renewal of an operation permit.

**59.** The holder of the permit shall notify the Régie in writing of the cancellation of his or her insurance or of any change made in it.

#### DIVISION VIII CONTRIBUTIONS

**60.** The owner or operator of a piped gas undertaking must pay the Régie the amount of \$0.359 per 1 000 cubic metres of gas sold each month.

The amount is calculated on the basis of the volume of gas sold to users.

**61.** The wholesale owner or operator of an undertaking for the bulk distribution of liquefied petroleum gas sold in Québec must pay the Régie the amount of \$0.695 per thousand litres or fraction of a thousand litres of liquefied petroleum gas sold in Québec.

For the purposes of this section,

“liquefied petroleum gas sold in Québec” means, in the case of a wholesale owner or operator of an undertaking for the bulk distribution of liquefied petroleum gas, the volume of liquefied petroleum gas that he or she has sold in Québec less the volume bought from a wholesale owner or operator of an undertaking for the bulk distribution of liquefied petroleum gas;

“wholesale owner or operator of an undertaking for the bulk distribution of liquefied petroleum gas” means any person or partnership operating an undertaking for the storage, sale or distribution of liquefied petroleum gas in Québec and buying liquefied petroleum gas from a producer in Québec or from any source outside Québec for resale in Québec.

The Régie shall, where applicable, make an adjustment at the date on which each wholesale owner or operator of an undertaking for the bulk distribution of liquefied petroleum gas provides it with the information referred to in section 49 to ensure that the payments made by such persons are in proportion to their actual sales.

**62.** Any gas undertaking must keep an up-to-date list of the names and addresses of its customers.

#### DIVISION IX PENAL

**63.** Any violation of any of the provisions of this Chapter, except sections 51, 60 and 61, shall constitute an offence.

**64.** This Regulation comes into force on (*enter the date corresponding to the ninetieth day following the date of its publication in the Gazette officielle du Québec*).

Régie  
du bâtiment**STATE OF THE GAS DISTRIBUTION SYSTEM****SCHEDULE I**  
(s. 43)

Report for fiscal year ending : \_\_\_\_\_

Name of the gas utility : _____
Address : _____
Postal code : _____ Telephone : _____
Prepared by : _____ Position : _____

<b>A MAINS (LENGTH IN KILOMETRES)</b>				
Description by material	TOTAL	Current year		Deactivated
		Construction		
		Expansion	Replacement	
Bare steel				
Coated steel				
Aluminum				
Polyethylene (insertion)				
Polyethylene				
Other (specify)				
<b>TOTAL</b>				

<b>B SERVICES (NUMBER)</b>				
Description by material	TOTAL	Current year		Deactivated
		Construction		
		Expansion	Replacement	
Bare steel				
Coated steel				
Copper				
Polyethylene (insertion)				
Polyethylene				
Other (specify)				
<b>TOTAL</b>				

<b>C CATHODIC PROTECTION</b>			
	TOTAL	Current year	
		Construction	
		Expansion	Replacement
Mains (km)			
Services (number)			
Length protected by sacrificial anodes (km) :		By rectifiers (km) :	
Number of rectifiers :		Number of test points :	
% of steel system under adequate protection :			

Régie du bâtiment du Québec official form

<b>D LENGTH OF MAINS BY MATERIAL (Kilometres)</b>									
	Diameter (millimetres)								TOTAL
	33,4 or less	Over 33,4 thru 60,3	Over 60,3 thru 114,3	Over 114,3 thru 219,1	Over 219,1 thru 323,9	Over 323,9 thru 508	Over 508 thru 762	Over 762	
Bare steel									
Coated steel									
Aluminum									
Polyethylene (insertion)									
Polyethylene									
Other (specify)									
TOTAL									

<b>E NUMBER OF SERVICES BY MATERIAL</b>							
	Diameter (millimetres)						TOTAL
	21,3 or less	Over 21,3 thru 33,4	Over 33,4 thru 60,3	Over 60,3 thru 114,3	Over 114,3 thru 168,3	Over 168,3	
Bare steel							
Coated steel							
Copper							
Polyethylene (insertion)							
Polyethylene							
Other (specify)							
TOTAL							

<b>F</b>							
Operating pressure (kilopascals)	0 and 300	301 and 700	701 and 2000	2001 and 4000	4001 and 6000	6001 and over	TOTAL
Part of system operating between : (kilometres)							
Regulating stations with outlet pressure between : (number)							
Distribution and service line shut-off valves with operating pressure between : (number)							

<b>G</b>		
	Year(s) ago	%
Unaccounted for gas during last 5 fiscal years based on % of total input for each year excluding current year.	1	
	2	
	3	
	4	
	5	

<b>H</b>	
Unaccounted for gas during past 12 months ending with current fiscal year.	%

<b>I</b>		
Number of known system leaks at end of year scheduled for repair	Mains	
	Services	

<b>J</b>		<b>NUMBER OF LEAKS REPAIRED DURING YEAR</b>					
Materials		Corrosion	Material failure	Damage by outside force	Construction defect	Other	Total
<b>MAINS</b>	Bare steel						
	Coated steel						
	Aluminum						
	Polyethylene (insertion)						
	Polyethylene						
	Other (specify)						
	<b>SUB-TOTAL</b>						
<b>SERVICES</b>	Bare steel						
	Coated steel						
	Copper						
	Polyethylene (insertion)						
	Polyethylene						
	Other (specify)						
	<b>SUB-TOTAL</b>						
<b>TOTAL</b>							

<b>K</b>		<b>LEAKS ON MAINS REPAIRED DURING YEAR (number)</b>	
Pipe			
Valve			
Fitting			
Regulator			
Tap connexion			
Other			
<b>TOTAL</b>			

<b>L</b>		<b>LEAKS ON SERVICES REPAIRED DURING YEAR (number)</b>	
Pipe			
Valve			
Fitting			
Regulator			
Tap connexion			
Other			
<b>TOTAL</b>			

<b>M</b>			
Frequency of inspection of cathodically protected system	Frequency of inspection by type*		
	Pipe-soil potential	Rectifier	Remote reading

<b>N</b>			<b>LEAK SURVEYS</b>	
	Operating pressure		Frequency	
Mains	P operating < 4800kPa - general			
	P operating < 4800kPa - downtown			
	P operating ≥ 4800kPa			
Services	All			

\*FREQUENCY CODES : 1 (weekly), 2 (bimonthly), 3 (monthly), 4 (quarterly), 5 (semi-annually), 6 (annually), 7 (other - specify), 0 (no inspection)



O GENERAL INFORMATION					
Number of services :	Residential :	Commercial :	Industrial :	Total :	
Number of customers :	Residential :	Commercial :	Industrial :	Total :	
Gas sold (10 <sup>6</sup> m <sup>3</sup> ) :	Residential :	Commercial :	Industrial :	Total :	
Total gas purchased (10 <sup>6</sup> m <sup>3</sup> ) :			Self consumption (10 <sup>6</sup> m <sup>3</sup> )		
Daily contractual demand (10 <sup>6</sup> m <sup>3</sup> ) :			Since :		
Maximum hourly consumption in the year (10 <sup>6</sup> m <sup>3</sup> ) :			Date :		
Minimum hourly consumption in the year (10 <sup>6</sup> m <sup>3</sup> ) :			Date :		
Maximum daily consumption in the year (10 <sup>6</sup> m <sup>3</sup> ) :			Date :		
Minimum daily consumption in the year (10 <sup>6</sup> m <sup>3</sup> ) :			Date :		
Maximum monthly consumption in the year (10 <sup>6</sup> m <sup>3</sup> ) :			Date :		
Minimum monthly consumption in the year (10 <sup>6</sup> m <sup>3</sup> ) :			Date :		
Services unused for :	A: 1 year :	B: 2 years :	C: 3 years :	D: 4 Years :	Total :
Service pipe not rising above ground level :					
Brand of odorant used :			Injection rate (kg / 10 <sup>6</sup> m <sup>3</sup> ) :		
Quantity of odorant used annually (litres) :			Number of customers per kilometre :		
Number of leaks per kilometre :			Number of municipalities supplied :		
Number of employees :	Management :	Executives :	Office employees :	Manual workers :	

P COMMENTS	

I hereby certify that the above information  
is accurate

Signature

Date