



Transportation of Dangerous Goods
 Directorate
 Tower C, Place de Ville
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 330 Sparks Street
 Ottawa, Ontario
 K1A 0N8

Direction générale du Transport
 des marchandises dangereuses
 Tour C, Place de Ville
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 330, rue Sparks
 Ottawa (Ontario)
 K1A 0N8



Equivalency Certificate
 (Approval issued by the competent authority of Canada)

Certificate No.: SU 11577 (Ren. 6)
Certificate Holder: Canadian Propane Association
Mode of Transport: Road, Marine
Effective Date: March 6, 2018
Expiry Date: March 31, 2020

CONDITIONS

This Equivalency Certificate authorizes the members of the Canadian Propane Association to handle, offer for transport or transport, and authorizes any person to handle or transport on behalf of the members of the Canadian Propane Association, by road vehicle or by ship on a domestic voyage, dangerous goods that are:

- UN1075, LIQUEFIED PETROLEUM GASES or PETROLEUM GASES, LIQUEFIED, Class 2.1, or
- UN1978, PROPANE, Class 2.1,

in a manner that does not comply with the following requirements:

- section 4.15 of the *Transportation of Dangerous Goods (TDG) Regulations*,
- section 4.15.2 of the *TDG Regulations*,
- section 4.15.3 of the *TDG Regulations*,
- subparagraph 5.10(1)(a)(iv) of the *TDG Regulations*, and
- Specific Requirement 24 of Clause 6.3 of CSA Standard B622-14, “*Selection and use of highway tanks, TC portable tanks and ton containers for the transportation of dangerous goods, Class 2*”, January 2014,

if the following conditions are met:

- (a) the storage tank must be constructed in accordance with CSA Standard B51, “*Boiler, pressure vessel, and pressure piping code*”, Part 1, cited in the rest of this Equivalency Certificate as CSA Standard B51-14;

Equivalency Certificate SU 11577 (Ren. 6)
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- (b) the storage tank may contain more liquefied gas than 5% of its volumetric capacity but must not contain more than the maximum permitted filling ratio;
- (c) the storage tank is not permanently mounted on a truck chassis or trailer, is not intended for the transportation of dangerous goods, and the presence of dangerous goods is due only to the use of the storage tank for the processing, storage or use of the dangerous goods at fixed locations;
- (d) the storage tank, which was intended for permanent installation on consumer premises, must be transported one-way only from the consumer's premises to the storage tank owner's nearest facility using the shortest most practical route and Transportation of Dangerous Goods routes, where applicable. The storage tank is transported for servicing in accordance with CSA Standard B51-14;
- (e) the capacity of the storage tank must be less than or equal to 1 894 L (500 USWG);
- (f) the total capacity of all the storage tanks transported on the means of transport under the conditions of this Equivalency Certificate must not exceed 1 894 L (500 USWG);
- (g) the means of transport used to transport the storage tank must by design be capable of carrying the storage tank and its contents;
- (h) prior to being loaded on the means of transport, the storage tank must be visually inspected by a trained and qualified person for leaks, corroded or abraded areas, dents, distortions, weld defects, or any other condition that may render the storage tank unsafe for transportation. A record of the inspection must be legibly signed and dated by the person performing the inspection and retained by the storage tank owner for two years. The signature on the inspection record represents a certification that the storage tank has been inspected and has no defects that would render it unsafe for transportation under the Transportation of Dangerous Goods Regulations. The record of inspection must include:
 - (i) the date of the inspection,
 - (ii) the inspector's contact information (such as a telephone number),
 - (iii) the storage tank's serial number,
 - (iv) the storage tank size (water capacity),
 - (v) the estimated quantity of dangerous goods,
 - (vi) the origin and destination of shipment,
 - (vii) the description of the servicing required under CSA Standard B51-14;
- (i) the record of inspection must accompany the storage tank and must be provided to a law enforcement officer immediately on request;
- (j) a storage tank that is damaged or leaking must not be transported under this Equivalency Certificate;
- (k) prior to being loaded on the means of transport, all regulators, hoses, pigtails, etc. that protrude from under the storage tank's protective dome must be

Equivalency Certificate SU 11577 (Ren. 6)
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removed and the dome cover must be secured in the closed position with a bolt or wire;

- (l) all valve openings on the storage tank, except relief valves, must be securely closed;
- (m) the lifting lugs on a storage tank must not be used as a means of lifting a storage tank containing liquefied gas in excess of 5% of its capacity, storage tanks must be lifted by the use of properly placed straps around the storage tank shell;
- (n) the storage tank must be loaded and secured in an upright position on the means of transport and in such a way as to prevent, under normal conditions of transport, damage to the storage tank or to the means of transport that could lead to an accidental release of the dangerous goods. The storage tank must be placed on the means of transport in a manner, such as in a cradle, which ensures that no weight is placed on the supporting legs during transportation;
- (o) a storage tank, with a capacity less than or equal to 466 L (123 USWG), must have displayed on it the dangerous goods safety marks required in sections 4.10, 4.11, and 4.12 of the *Transportation of Dangerous Goods Regulations*;
- (p) a storage tank, with a capacity greater than 466 L (123 USWG), must have displayed, on each long side of the storage tank, a placard and UN number meeting the requirements set out in Part 4 (Dangerous Goods Safety Marks) of the *Transportation of Dangerous Goods Regulations*;
- (q) despite sections 4.15.4 and 4.16.1 of the *Transportation of Dangerous Goods Regulations*, the road vehicle used to transport the storage tank must have placards displayed on it in accordance with the requirements of Part 4 (Dangerous Goods Safety Marks) of the *Transportation of Dangerous Goods Regulations*;

Equivalency Certificate SU 11577 (Ren. 6)
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- (r) in addition to the requirements of Part 6 (Training) of the *Transportation of Dangerous Goods Regulations*, the members of the Canadian Propane Association must ensure that the personnel handling, offering for transport or transporting the dangerous goods are trained in regards to the conditions of this Equivalency Certificate;
- (s) the Canadian Propane Association must ensure that a paper or electronic copy of this Equivalency Certificate is provided to all its members;
- (t) a current proof of membership with the Canadian Propane Association must be readily available upon request;
- (u) the shipping document that accompanies the dangerous goods must include the following information legibly and indelibly printed:
 - (i) “Equivalency Certificate No. SU 11577 (Ren. 6)”, or
 - (ii) « Certificat d’équivalence n° SU 11577 (Ren. 6); and
- (v) a paper or electronic copy of this Equivalency Certificate accompanies the dangerous goods during transport and must be provided to an inspector immediately upon request.

Note 1: The conditions of this Equivalency Certificate must be complied with. Subsection 31(4) of the *Transportation of Dangerous Goods (TDG) Act, 1992* stipulates that non-compliance with any of the terms or conditions invalidates the Equivalency Certificate. If any of the conditions are not complied with, the *TDG Act, 1992 and Regulations* would apply as though this Equivalency Certificate did not exist.

Note 2: The issuance of this Equivalency Certificate in no way reduces the certificate holder's responsibility to comply with any other requirements of the *Transportation of Dangerous Goods Regulations*, the *Technical Instructions for the Safe Transportation of Dangerous Goods by Air*, the *International Maritime Dangerous Goods Code*, and the *Canadian Aviation Regulations* not specifically addressed in this certificate.

Signature of Issuing Authority



David Lamarche P. Eng., ing.

Chief

Approvals and Special Regulatory Projects

Equivalency Certificate SU 11577 (Ren. 6)
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(The following Explanatory Note is for information purposes only and is not part of this certificate.)

Explanatory Note

This Equivalency Certificate authorizes the one-way transportation, by road vehicle or by ship on a domestic voyage, of storage tanks that do not comply with Part 5 (Means of Containment) of the *Transportation of Dangerous Goods Regulations* and that cannot be safely emptied at the customer location. Tanks containing more than 5% capacity of UN1075, LIQUEFIED PETROLEUM GASES or PETROLEUM GASES, LIQUEFIED, Class 2.1, or UN1978, PROPANE, Class 2.1, can be transported to the nearest propane facility for servicing in accordance with CSA Standard B51-14.

The current list of the members of the Canadian Propane Association is available at the following website:

<https://propane.ca/cpa-member-list/>

Legend for Certificate Number

SH - Road, SR - Rail, SA - Air, SM - Marine
SU - More than one Mode of Transport
Ren. - Renewal