



Code for Facilities, Technology, Inspection, Safety Diagnosis and Safety Assessment for Filling LP Gas Cylinders

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1. General

1.1 Scope

This Code applies to the facilities, technology, inspection, detailed safety diagnosis and safety assessment for the business of filling and supplying liquefied petroleum gas in cylinders [exclusive of fuel vessels for vehicles and cylinders of which internal volume is less than one liter (hereinafter referred to as "small cylinders")] in the filling business of liquefied petroleum gas in conformity to the Safety Control and Business Regulation of Liquefied Petroleum Act (hereinafter referred to as "Act"), Article 5, Clause 1. <Revised on November 4, 2015>

1.2 Validity of Code

1.2.1 This Code has passed the deliberation and resolution by Gas Technical Standards Committee (Bill No. 2019-8 October 18, 2019) in conformity to the High Pressure Gas Safety Control Act (hereinafter referred to as "High Pressure Gas Act"), Article 33, Clause 2 in accordance with the Act, Article 45, Clause 2, has been approved by the Minister of Trade, Industry & Energy (Notification No. 2020-167 of the Ministry of Trade, Industry & Energy, March 18, 2020), and is valid and effective as the detailed standards in conformity to the Act, Article 45, Clause 1.

1.2.2 Conformity to this Code is deemed to conform to Table 4, No. 1 of the Enforcement Regulation of the Act in accordance with the Act, Article 45, Clause 4. <Revised on November 4, 2015>

1.3 Definitions

The terms used in this Code are defined as follows:

1.3.1 "Storage facilities" mean the facilities for storing liquefied petroleum gas and include storage

tanks, mount type storage tanks, small storage tanks and cylinders (inclusive of cylinder collection facilities and filled cylinder storage rooms; the same shall apply hereinafter).

1.3.2 "Storage tanks" mean the tanks of which storage capacity is not less than 3 tons and which are installed and fixed aboveground or underground for storing liquefied petroleum gas.

1.3.3 "Small storage tanks" mean the tanks of which storage capacity is less than 3 tons and which are installed and fixed aboveground or underground for storing liquefied petroleum gas.

1.3.4 "Vehicle-mounted tanks" mean the tanks installed and fixed on vehicles for transportation of liquefied petroleum gas.

1.3.5 "Filled cylinders" mean the cylinders which are filled with liquefied petroleum gas of which quantity is not less than one half of the filling mass.

1.3.6 "Residual gas cylinders" mean the cylinders which are filled with liquefied petroleum gas of which quantity is less than one half of the filling mass.

1.3.7 "Gas facilities" mean the facilities and their accessory facilities (exclusive piping and storage facilities) through which liquefied petroleum gas passes.

1.3.8 "Filling facilities" are the facilities for filling liquefied petroleum gas into cylinders or vehicle-mounted tanks and include filling machines and pumps and compressors belonging to the storage tanks.

1.3.9 The definitions of the materials and structures of buildings are as follows. <Revised on June 26, 2012>

1.3.9.1 "Incombustible materials" mean the incombustible materials in conformity to the Enforcement Decree of the Building Act, Article 2, Clause 10.

1.3.9.2 "Fire-retardant materials" mean the fire-retardant materials in conformity to the Enforcement Decree of the Building Act, Article 2, Clause 9.

1.3.10 "Protection walls" mean the reinforced concrete walls or other walls of a construction having similar strength, of which height is not less than 2 m and of which thickness is not less than 12 cm.