



**Code for Facilities, Technology,  
Inspection and Safety Diagnosis of  
Pipelines outside Manufacturing Plants  
and Supply Stations for Wholesale Gas  
Business**

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# **Code for Facilities, Technology, Inspection and Safety**

## **Diagnosis of Pipelines outside Manufacturing Plants and Supply Stations for Wholesale Gas Business**

### **1 General**

#### **1.1 Scope**

This code applies to the installation, operation, inspection, supervision and diagnosis of pipelines outside gas manufacturing plants and supply stations among the gas supply facilities of wholesale gas operators [inclusive of gas supply facility contractors other than city gas operators conforming to the Urban Gas Business Act (hereinafter referred to as "the Act"), Article 39-2, Clause 1] conforming to the Act, Article 2-2 and -5.

#### **1.2 Validity of Code**

**1.2.1** This Code has passed the deliberation and resolution by the Gas Technical Standards Committee (Bill No. 2019-9, November 22, 2019) in conformity to the High Pressure Gas Safety Control Act, Article 33-2, in accordance with the Act, Article 17, Clause 5-2, has been approved by the Minister of Trade, Industry & Energy(Notification No. 2018-512 of the Ministry of Trade, Industry & Energy, March 18, 2020), and is valid and effective as the detailed standard in conformity to the Act, Article 17, Clause 5-1

**1.2.2** Conformity to this Code is deemed to conform to Table 5-3 of the Enforcement Regulation of the Act (hereinafter referred to as "Enforcement Regulation") in accordance with the Act, Article 17, Clause 5-4. <Revised on August 7, 2015 & August 10, 2018>

#### **1.3 Definitions**

The meanings of the terms used in this Code are as follows:

**1.3.1** "Gas supply facilities" mean the facilities for manufacturing and/or supplying city gas (hereinafter referred to as "gas") and includes the following gas manufacturing facilities and gas pipeline facilities:

(1) "Gas manufacturing facilities" mean facilities for unloading, storage, vaporization and sending-out facilities and their auxiliary facilities.

(2) "Gas pipeline facilities" mean the pipelines, gas supply facilities and their auxiliary facilities from a city gas manufacturing plant (inclusive of an LNG receiving terminal; hereinafter the same shall apply) to the property line of the land owned or occupied by a gas consumer (the upstream valve of the gas meter in case the gas meter is installed on the outer wall of an apartment house which is shared or occupied by gas consumers or the external wall of the apartment building in case the gas meter is installed inside the building).

**1.3.2** "Pipelines" mean pipelines installed to supply city gas, and include main pipelines, supply pipelines, inner pipelines, and other pipelines. <Revised on October 14, 2013>

**1.3.3** A "main pipeline" means any pipeline among the followings: <Revised on October 14, 2013>

(1) In case of a wholesale gas manufacturing plant, a pipeline from the perimeter of a city gas manufacturing plant (inclusive of an LNG receiving terminal; hereinafter the same shall apply) to the perimeter of a governor station; However, a pipeline in a valve station shall be excluded.

(2) In case of a general city gas manufacturing plant, a pipeline from the perimeter of a city gas manufacturing plant or the perimeter of the gas facility of a wholesale gas operators to a governor

**1.3.4** A "supply pipeline" means a pipeline from a governor station to the gas supply facility of a general city gas operator or the gas utilization facility of a large gas consumer. <Revised on October 14, 2013>

**1.3.5** "High pressure" means a pressure not lower than 1 MPa (gauge pressure; hereinafter the same shall apply). Liquefied gas is regarded as high pressure gas.

**1.3.6** "Medium pressure" means a pressure not lower than 0.1 MPa to but not including 1 MPa. However, in case a liquefied gas is vaporized and not mixed with another gases, "medium pressure" means the pressure not lower than 0.1 MPa to but not including 0.2 MPa.

**1.3.7** "Low pressure" means a pressure lower than 0.1 MPa. However, in case a liquefied gas is vaporized and not mixed with another gas, "medium pressure" means the pressure lower than 0.1 MPa.