



Code for Seismic Design of Underground Gas Pipelines

Deliberation/Resolution by Gas Technical Standards Committee : July 15, 2022

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This code is the detailed standards established by the Gas Technical Standards Committee in accordance with Article 22-2 of "High-Pressure Gas Safety Control Act", Article 45 of "Safety Control and Business of Liquefied Petroleum Gas Act" and Article 17-5 of "Urban Gas Business Act", Article 48 of "Hydrogen Economy Promotion and Hydrogen Safety Management Act". Since conformity to this Code is deemed to conform to the laws and regulations above, this Code must be observed.

This English version of KGS Code is an informal translation from its Korean original version. Only the Korean version of the KGS Code is officially effective since it has been authorized by the Gas Technical Standards Committee (KGS Code Committee). The secretariat of the Committee reserves the right to revise the English version whenever translation errors are found.

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Code for Seismic Design of Underground Gas Pipelines

1. General

1.1 Scope

This Code applies to the seismic design of underground gas pipelines covered by the High-pressure Gas Safety Control Act (hereinafter referred to as "the High-pressure Act"), Safety Control and Business of Liquefied Petroleum Gas Act (hereinafter referred to as "the Liquefied Petroleum Gas Act"), and Urban Gas Business Act (hereinafter referred to as "the Urban Gas Act"). <Revised on January 11, 2018, August 30, 2022>

1.2 Validity of Code

1.2.1 This Code has passed the deliberation and resolution by Gas Technical Standards Committee (Bill No. 2022-6, July 15, 2022) in conformity to the High-pressure Gas Act, Article 33-2 in accordance with the High-pressure Gas Act, Article 22-2, Clause 2 and the Urban Gas Act, Article 17-4, Clause 2, has been approved by the Minister of Trade, Industry & Energy (Notification No. 2022-641 of the Ministry of Trade, Industry & Energy, August 30, 2022), and is valid and effective as the detailed standards in conformity to the High-pressure Gas Act, Article 22-1, Clause 1 and the Urban Gas Act, Article 17-4, Clause 1.

1.2.2 Conformity to this Code is deemed to conform to the seismic design standard of gas pipelines specified in the Enforcement Decrees of the High-pressure Gas Act and the Urban Gas Act in accordance with the High-pressure Gas Act, Article 22-2, Clause 4 and the Urban Gas Act, 17-5, Clause 4. <Revised on August 7, 2015 and August 10, 2018>

1.3 Definitions

The terms used in this Code are defined as follows: