KGS AC111 2020

Code for Facilities, Technology and Inspection for Manufacturing of Storage Tanks and Pressure vessels for High-Pressure Gases

Deliberation/Resolution by Gas Technical Standards Committee : October 18, 2019
Approval by the Ministry of Trade, Industry & Energy : March 18, 2020

Personnel

Gas Technical Standards Committee

Chairman	Kwang-Won Lee, Professor of Hoseo University
Vice-Chairman	Seung-Hoon Nam, Principal Researcher of KRISS
Ex Officio Member	Hui-Won Lee, Manager of Energy Safety Department, Ministry of Trade, Industry & Energy
	Hae-Myeong Yang, Director of Technology and Safety, Korea Gas Safety Corporation
High-Pressure Gas	Seung-Hoon Nam, Principal Researcher of KRISS
	Beom-Seok Lee, Principal Professor of Kyung Hee University
	Dong-Myeong Ha, Professor of Semyung University
	Chang-Gi Kim, Principal Researcher of Korea Institute of Machinery and Materials
	Hyuk-Myun Kwon, Director General of Occupational Safety & Health Research Institute
	Su-Dong Byun, CEO of Q-Best
Liquefied Petroleum Gas	Doo-Seon Park, Managing Director of Daesung Industrial Gas Co., Ltd
	Hyeong-Hwan Ann, Professor of Korea National University of Transportation
	Byeong-Hak Choei, Professor of Gangneung-Wonju National University
	Seong-Min Lee, Director of KOGAS Research Institute
	Yong-Gwon Lee, Vice-President of EG CNE Co.,Ltd
	Gi-hyeon Jang, Director of Kiturmi
	Jeong-Sik Chon, Direto of E1 CO., Ltd.

History of Establishment and Revision of KGS Code	
Code Number	KGS AC111 2020
Code Title	Code for Facilities, Technology and Inspection for Manufacturing of Storage Tanks and Pressure vessels for High-Pressure Gases

Date of Establishment/Revision	Description
December 30, 2008	Established (Notification of the Ministry of Knowledge Economy No. 2008-379)
May 15, 2009	Revised (Notification of the Ministry of Knowledge Economy No. 2009-193)
June 29, 2009	Revised (Notification of the Ministry of Knowledge Economy No. 2009-250)
January 6, 2010	Revised (Notification of the Ministry of Knowledge Economy No. 2009-480)
January 3, 2011	Revised (Notification of the Ministry of Knowledge Economy No. 2010-489)
October 10, 2011	Revised (Notification of the Ministry of Knowledge Economy No. 2011-500)
August 13, 2012	Revised (Notification of the Ministry of Knowledge Economy No. 2012-391)
December 18, 2013	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2013-343)
December 31, 2013	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2013-353)
November 17, 2014	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2014-589)
May 8, 2015	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2015-276)
October 2, 2015	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2015-518)
December 10, 2015	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2015-641)
January 8, 2016	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2016-6)

March 9, 2016	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2016-94)
July 11, 2016	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2016-354)
November 23, 2016	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2016-603)
February 10, 2017	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2017-066)
September 29, 2017	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2017-475)
December 14, 2017	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2017-582)
December 13, 2018	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2018-607)
June 14, 2019	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2019-375)
March 18, 2020	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2020-167)

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1. General

1.1 Scope

This Code applies to facilities, technology and inspection for manufacturing of storage tanks (excluding liquefied natural gas storage tanks; hereinafter the same shall apply) and pressure vessels (hereinafter referred to as "pressure vessels, etc.") among specified facilities in conformity to the High-pressure Gas Safety Control Act (hereinafter to be referred to as "the Act"), Article 3, Clause 5. <Revised on September 29, 2017>

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 accordance with the Act, Article 22-2, 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 22-2, Clause 1.

1.2.2 Conformity to this Code is deemed to conform to Table 12 of the Enforcement Rule of the High-Pressure Gas Safety Control Act (hereinafter referred to as "Enforcement Rule") in accordance with the Act, Article 22-2, Clause 4.

1.3 Reference Codes and Standards

1.3.1 Inspection standard for new technology products

1.3.1.1 In case the Minister of Trade, Industry & Energy acknowledges that the pressure vessels do not meet the inspection standard in conformity to this Code in accordance with the Enforcement