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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 46767-2025

**Identification and management of population intensive high
consequence areas for onshore oil and gas transmission
pipeline**

陆上油气长输管道人员密集型高后果区辨识与管理

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the Ministry of Emergency Management of the People's Republic of China. High-consequence areas with dense populations along long-distance onshore oil and gas pipelines Identification and Management

1 Scope

GB 46767-2025 is the Chinese national standard on identification and management of population intensive high consequence areas for onshore oil and gas transmission pipeline, in the field of petroleum and related technologies. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 31 October 2025 by the State Administration for Market Regulation; Standardization Administration of

China, and has been in force since 1 May 2026. Classification: ICS 75.200, CCS E09. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the general requirements, identification and classification, and safety measures for the identification and management of densely populated, high-consequence areas along long-distance onshore oil and gas pipelines. Comprehensive management requirements. This document applies to onshore petroleum (including crude oil, refined petroleum products, and liquefied petroleum gas) and natural gas (including natural gas, coalbed methane, and coal-to-gas). Identification and management of personnel-intensive, high-consequence areas in long-distance natural gas pipelines. This document does not apply to process pipelines within long-distance oil and gas pipelines, urban gas pipelines, oil and gas field gathering and transportation pipelines, or aviation fuel pipelines within airports. Inter-plant and intra-plant oil and gas pipelines of petrochemical enterprises and oil depots.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 19285 Inspection of Corrosion Protection Engineering for Buried Steel Pipelines

GB 32167 Integrity Management Standard for Oil and Gas Pipelines

GB/T 38710-2020 Guidelines for the Construction of Geographic Information Systems for Oil and Gas Pipelines

GB 50251 Code for Design of Gas Pipeline Engineering AQ3055 Safety Facility Design Guidelines for Onshore Long-Distance Oil and Gas Pipeline Construction Projects AQ3057 Safety Pre-evaluation Guidelines for Onshore Long-Distance Oil and Gas Pipeline Construction Projects TSGD7003-2022 Periodic Inspection Rules for Pressure Pipelines - Long-Distance Pipelines

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Areas with high population density where pipeline accidents could result in numerous casualties.

3.2 pipeline companies Using pipelines as a means of transportation to deliver oil and gas resources to storage facilities and users, and having ownership or operation and management rights over the pipelines. The company.

3.3 A systematic approach to quantitatively analyze the frequency and consequences of accidents in long-distance oil and gas pipelines and compare them with acceptable risk standards.

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