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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 32151.48-2026

Requirements for greenhouse gas emission accounting and reporting - Part 48: Urban gas supply enterprises

温室气体排放核算与报告要求 第48部分：城镇燃气供应企业

Issued on: January 28, 2026 **Implemented on: August 1, 2026**

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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. This document is Part 48 of GB/T 32151, "Requirements for Accounting and Reporting of Greenhouse Gas Emissions". GB/T 32151 has been published as follows: Part 2.

1.Power Generation Enterprises;

2.Power Grid Enterprises;

3.Magnesium Smelting Enterprises;

4.Aluminum Smelting Enterprises;

5.Steel Production Enterprises;

6.Civil Aviation Enterprises;

7.Flat Glass Manufacturers;

8.Cement Production Enterprises;

9.Ceramic Manufacturing Enterprises;

10.Chemical Production Enterprises;

11.Coal Production Enterprises;

12.Textile and Apparel Enterprises;

1 Scope

GB/T 32151.48-2026 is the Chinese national standard covering the emissions of a city gas distributor - the combustion of what it uses itself, the electricity for compression, and above all the fugitive methane leaking from the network, which is where most of the climate impact of gas distribution actually sits. Part 48 of the series, first edition, 25,000 words, and it belongs with the gas network integrity standard GB/T 47764-2026. It was issued on 28 January 2026 and has been in force since 1 August 2026, as a first edition. The document is under the responsibility of the Ministry of Ecology and Environment. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the accounting boundaries, measurement and monitoring requirements, accounting procedures, and accounting methods for greenhouse gas emissions from urban gas supply enterprises. Methodology, data quality management, report content and format. This document applies to the accounting and reporting of greenhouse gas emissions by urban gas supply companies.

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 213 Method for Determination of Calorific Value of Coal

GB/T 384 Determination of calorific value of hydrocarbon fuels - Oxygen bomb calorimeter method

GB/T 6422 Guidelines for Energy Testing of Energy-Consuming Equipment

GB/T 11062 Calculation Methods for Calorific Value, Density, Relative Density and Wobbe Index of Natural Gas

GB/T 15316 General Technical Rules for Energy Conservation Monitoring

GB 17167 General Rules for the Configuration and Management of Energy Measuring Instruments in Energy-Using Units

GB/T 23111 Non-automatic weighing instruments

GB/T 32150 General Rules for Greenhouse Gas Emission Accounting and Reporting by Industrial Enterprises

GB/T 32151.16 Carbon Emission Accounting and Reporting Requirements Part

3 Terms and Definitions

The terms and definitions defined in GB/T 32150 and the following terms and definitions apply to this document.

3.1 Greenhouse gases Naturally occurring and human-generated elements in the atmosphere that can absorb and disperse pollutants generated by the Earth's surface, atmosphere, and clouds. Gaseous components of radiation with wavelengths in the infrared spectrum.

Note. The greenhouse gases mentioned in this document include carbon dioxide (CO2) and methane (CH4). [Source: GB/T 32150-2025, 3.1, with modifications]

3.2 Reporting entity Legal entities or independent accounting units that are treated as legal entities and have greenhouse gas emission activities. [Source: GB/T 32150-2025, 3.2]

16 Oil and Gas Production Enterprises

GB/T 32201 Gas Flow Meter