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

GB/T 32151.28-2024

**Requirements of the greenhouse gas emissions accounting
and reporting - Part 28: Mining enterprise**

温室气体排放核算与报告要求 第28部分：矿山企业

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document is part 28 of GB/T 32151. GB/T 32151 has been published in the following parts.

1. Power generation enterprises;
2. Grid enterprises;
3. Magnesium smelting enterprises;
4. Aluminium smelting enterprises;
5. Iron and steel production enterprises;
6. Civil aviation enterprises;
7. Flat glass production enterprises;
8. Cement production enterprises;
9. Ceramic production enterprises;
10. Chemical production enterprises;
11. Coal production enterprises;
12. Textile and clothing enterprises;

1 Scope

GB/T 32151.28-2024 is the mining part of the Chinese greenhouse gas accounting and

reporting series. A mine's inventory has an element that no factory's has: fugitive methane released from the strata during extraction and afterwards, which in a gassy coal mine can exceed everything the machinery burns, and which has to be estimated from ventilation air measurements and drainage records rather than from a fuel invoice. Around it sit the ordinary terms, diesel for haulage and loading, explosives, electricity for hoisting, ventilation, dewatering and beneficiation, and the fuel burnt in the ancillary plant. The standard sets the accounting boundary of a mining enterprise, the measurement and monitoring requirements, the calculation steps and methods for the fuel combustion, process and fugitive emissions and for purchased energy, the data quality management and the content and format of the report, with informative annexes giving the reporting template and the default parameter values. It takes effect on 1 April 2025.

This document specifies the accounting boundaries, accounting and reporting scope, accounting steps and methods, data and other aspects of greenhouse gas emissions of mining enterprises. Quality management, report content and format, etc. This document applies to the accounting and reporting of greenhouse gas emissions by mining enterprises.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 213 Method for determination of calorific value of coal

GB/T 384 Determination of calorific value of petroleum products

GB/T 474 Coal sample preparation method

GB/T 476 Determination of carbon and hydrogen in coal

GB/T 3286.1 Chemical analysis methods for limestone and dolomite Part

1 Determination of calcium oxide and magnesium oxide content Complexometric titration
Flame Atomic Absorption Spectrometry

GB/T 3286.9 Chemical analysis methods for limestone and dolomite - Part

9.Determination of carbon dioxide content - Asbestos absorption density Quantitative
method

GB/T 10410 Gas chromatography analysis of major components of artificial gas and
liquefied petroleum gas

GB/T 11062 Calculation method for calorific value, density, relative density and Wobbe index of natural gas

GB/T 12206 Method for determination of calorific value and relative density of town gas

GB/T 12208 Determination of components and impurity content of artificial gas

GB/T 13610 Composition analysis of natural gas - Gas chromatography

3 Terms and definitions

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

3.1 Greenhouse gas The natural and human-caused gases in the atmosphere that absorb and emit radiation from the Earth's surface, atmosphere, and clouds. The gaseous component of radiation with wavelengths in the infrared spectrum.

Note. The greenhouse gases referred to in this document include only carbon dioxide (CO₂).