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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 32151.30-2024

Requirements of the greenhouse gas emissions accounting and reporting - Part 30: Water transportation enterprise

温室气体排放核算与报告要求 第30部分：水运企业

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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 30 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 32151.30-2024 is the water transport part of the Chinese greenhouse gas accounting and reporting series, covering shipping and inland waterway operators. Its accounting problem is characteristic of transport: essentially all the emission is fuel burnt in engines that are mobile, often outside Chinese territory, and frequently on vessels that are chartered rather than owned, so the boundary question, which vessel's fuel belongs to whose inventory, matters more than the emission factors. The standard sets that boundary for a water transport enterprise, then the measurement and monitoring requirements, which in practice means the bunker delivery notes and the fuel consumption records, the calculation steps and methods for the main and auxiliary engines, the boilers and the shore-based facilities, the treatment of purchased electricity including shore power, the data quality management and the report content and format, with informative annexes giving the reporting template and the default parameter values. As Chinese shipping comes under both domestic reporting and international measures, this is the method behind the Chinese figures. It takes effect on 1 April 2025.

This document specifies the accounting boundaries, accounting steps, accounting methods, data and other related information for the accounting and reporting of greenhouse gas emissions by water transport enterprises. Quality management, report content and format. This document applies to the accounting and reporting of greenhouse gas emissions by water transport 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 17167 General rules for the allocation and management of energy metering instruments in energy-consuming units

GB/T 22723 Determination of energy of natural gas

GB/T 32150 General principles for accounting and reporting of greenhouse gas emissions from industrial enterprises

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 gas referred to in this document is carbon dioxide (CO_2). [Source: GB/T 32150-2015, 3.1, modified]

3.2 reporting entity A legal entity that emits greenhouse gases or an independent accounting unit that is deemed to be a legal entity.

Note. The reporting entity referred to in this document is the shipowner or any organization or individual who assumes the responsibility for ship operation from the shipowner, such as the operator or bareboat charterer. We have assumed responsibility for ship operation from the ship owner. [Source: GB/T 32150-2015, 3.2, modified]

3.3 A legal entity whose main business is water transport or an independent accounting unit deemed to be a legal entity.

Note. According to GB/T 4754-2017 National Economic Industry Classification, water transport enterprises include water passenger transport (551), water cargo transport (552), water transport Transmit auxiliary activities (553).