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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 32151.32-2024

Requirements of the greenhouse gas emissions accounting and reporting - Part 32: Coating material production enterprise

温室气体排放核算与报告要求 第32部分：涂料生产企业

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Standardization Administration of the PRC**

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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 32 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 32151.32-2024 is the coatings part of the Chinese greenhouse gas accounting and reporting series. A paint plant is a comparatively low-energy operation whose emissions come from three places: the fuel burnt for process heat and for the thermal oxidiser that destroys solvent vapour, the electricity consumed by mixing, milling and ventilation, and the process emissions associated with the raw materials themselves. The standard sets the accounting boundary for a coating material production enterprise, the measurement and monitoring requirements, that is what must be metered and how, and the calculation steps and methods for each emission source, followed by the data quality management and the content and format of the report. Informative annexes give the reporting template and the default values of the parameters. For a coatings producer in China, or for a customer asking one for a verified emissions figure, this is the method the number has to come from. It takes effect on 1 April 2025.

This document specifies the calculation boundary, measurement and monitoring requirements, calculation steps and calculation methods of greenhouse gas emissions of coatings manufacturers. data quality management, and report content and format. This document applies to the accounting and reporting of greenhouse gas emissions by coatings manufacturers.

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 476 Determination of carbon and hydrogen in coal

GB/T 6052 Industrial liquid carbon dioxide

GB/T 8984 Determination of carbon monoxide, carbon dioxide and hydrocarbons in gases - Gas chromatography

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

GB/T 15316 General technical rules for energy conservation monitoring

GB 17167 General rules for the allocation and management of energy metering instruments in energy-consuming units

GB/T 21367 Requirements for the allocation and management of energy metering instruments in chemical enterprises

GB/T 22723 Determination of energy of natural gas

GB/T 23111 Non-automatic weighing instruments

GB/T 23938 High purity carbon dioxide

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

3 Terms and definitions

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

3.1 A legal entity whose main business is the production of architectural coatings, industrial coatings and auxiliary materials, or an independent accounting unit deemed to be a legal entity.

Note. Paint manufacturers include those that only produce paint products and those that simultaneously produce paint products and raw materials such as paint resins and additives.