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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 32151.46-2024

Requirements of the greenhouse gas emissions accounting and reporting - Part 46: Waste battery treatment and disposal enterprise

温室气体排放核算与报告要求 第46部分：废弃电池处理处置企业

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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 46 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

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GB/T 32151.46-2024 covers waste battery treatment and disposal enterprises in the Chinese greenhouse gas accounting and reporting series, and it arrives exactly when it is needed: the first large cohort of Chinese electric vehicle batteries is reaching end of life, and an industry is being built at speed to dismantle, discharge, shred and hydrometallurgically or pyrometallurgically recover them. Its emissions are unusual, combining the fuel and electricity of a processing plant with direct process emissions from pyrometallurgical treatment and from the electrolyte and binder that are burnt off or decomposed. The standard sets the accounting boundary of such an enterprise, the measurement and monitoring requirements, the calculation steps and methods for each source, the data quality management and the content and format of the report, with informative annexes giving the template and the default parameter values. Because recovered material's carbon footprint is the argument for recycling in the first place, this is the document that decides whether that argument can be evidenced. It takes effect on 1 April 2025.

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This document specifies the accounting boundaries, measurement and monitoring requirements, accounting steps and Accounting methods, data quality management, report content and format. This document is applicable to the accounting and reporting of greenhouse gas emissions by waste battery processing and disposal companies. Lead-acid battery, fuel cell, and flow battery processing and disposal company.

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 210 Industrial Sodium Carbonate

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

GB/T 384 Determination of calorific value of petroleum products

GB/T 6422 Guidelines for energy testing of energy-consuming equipment

GB/T 11075 Lithium carbonate

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

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GB/T 22723 Determination of energy of natural gas

GB/T 23111 Non-automatic weighing instruments

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

GB/T 32151.10 Carbon emissions accounting and reporting requirements Part

3 Terms and definitions

The terms and definitions defined in GB/T 32150, GB/T 32151.10 and GB/T 34695 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. Gaseous components that radiate at wavelengths within 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]

10 Chemical production enterprises

GB/T 32201 Gas Flow Meter

GB/T 34695 Terminology for the treatment and disposal of waste battery chemicals

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