

ICS 27.060.30

CCS J 98



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

GB/T 45869-2025

**Technical guideline for online monitoring of boiler carbon
emission**

锅炉碳排放在线监测技术指南

Issued on: August 1, 2025

Implemented on: February 1, 2026

**Issued by: State Administration for Market Regulation;
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.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed and coordinated by the National Technical Committee for

Standardization of Boilers and Pressure Vessels (SAC/TC262).

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Technical Guide for Online Monitoring of Boiler Carbon Emissions

1 Scope

This document provides the monitoring principle, monitoring system, performance indicators, monitoring station, system installation, and detection methods of boiler carbon emission online monitoring.

Technical guidelines for implementation, operation and maintenance, and data review and processing.

This document applies to boilers burning fossil fuels (including those blended with non-fossil fuels).

This document does not apply to waste incineration boilers, waste heat boilers and boilers that burn only biomass.

2 Normative references

GB/T 16157

GB 50093

JJF1059.1

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1

Carbon dioxide emissions from boiler fuel combustion and its flue gas treatment process (desulfurization, denitrification, etc.).

3.2

All the equipment needed to monitor boiler carbon emission concentration and volume online.

Note. Abbreviated as "monitoring system".

3.3 Standard state

The state when the temperature is 273K and the pressure is 101.325kPa.

Note. Abbreviated as "standard state".

[Source. HJ76-2017, March 13, with modifications]

3.4 [Source. JJF1059.1-2012, March 12]

A non-negative parameter that characterizes the dispersion of the measured values, based on the information used.

Note. Abbreviated as "uncertainty".