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

MZ/T 146-2019

**Specifications for continuous emissions monitoring in the flue
gas emitted from funeral places
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed by the Ministry of Civil Affairs of the People's Republic of China.

This standard is under the jurisdiction of the National Funeral Standardization Technical Committee (SAC/TC 354).

This section was drafted. Qinhuangdao Haitao Wanfu Group Co., Ltd., Qinhuangdao Potao Environmental Protection Technology Co., Ltd., Beijing Social Management Institute of Technology, National Funeral Standardization Technical Committee, Hangzhou Tongbiao Environmental Protection Group Co., Ltd., Jinan Shuicai Information Technology Co., Ltd., Shanghai Haishendong Combustion Furnace Co., Ltd., Weihai Luyuan Technology Environmental Protection Equipment Co., Ltd., Xiamen Kaimu Management Consulting Co., Ltd.

1 Scope

This standard specifies the construction principles, system composition, technical requirements, test and detection and operation of a continuous monitoring system for smoke emissions from funeral sites.

Line maintenance.

This standard applies to continuous monitoring systems for smoke emissions from various funeral sites.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

GB 4793.1 Safety requirements for electrical equipment for measurement, control and laboratory use-Part 1. General requirements GB 13801-2015 air pollutant emission standard for crematorium GB/T 16157-1996 Methods for determination of particulate matter and sampling of gaseous pollutants in exhaust from stationary pollution sources GB 17859 Guidelines for the Classification of Computer Information System Security Protection Levels

HJ/T 75-2017 Technical Specifications for Continuous Monitoring of Smoke (SO₂, NO_x, Particulate Matter) Emissions from Stationary Pollution Sources HJ/T 76-2017 Technical requirements and detection methods of continuous monitoring system for smoke (SO₂, NO_x, particulate matter) emissions from stationary pollution sources A tutorial on the effectiveness of automatic monitoring data of pollution sources of national key monitoring enterprises 2010-03-01 Department of Environmental Monitoring, Ministry of Environmental Protection

3 Terms and definitions

The following terms and definitions apply to this document.

Continuous emission monitoring system; CEMS the general term for the continuous monitoring subsystem for smoke state parameters, the particulate matter detection subsystem and the gaseous pollutant monitoring subsystem.

Note 1: With automatic analysis instrument as the core, modern sensor technology, automatic measurement technology, automatic control technology, computer application technology and related Comprehensive monitoring system composed of special analysis software and communication network.

Note 2: Generally has the functions of sampling, testing, data collection and processing, referred to as CEMS.

Continuous monitoring subsystem for flue gas state parameters all equipment for continuous determination of smoke state parameters.

Note: Including. flue gas flow rate, flue gas temperature, flue gas pressure and flue gas humidity.

Particulate matter monitoring subsystem all equipment for continuous determination of solid particulate matter in flue gas.

Gaseous pollutant monitoring subsystem all equipment for continuous determination of gaseous pollutants in flue gas.

Note: Monitoring pollutants include. SO₂, NO, NO₂, CO, HCL and O₂.

Moving average

The corresponding average value obtained by weighted average calculation of the latest multiple sample data.

Standard value

The indicators stipulated by the current laws, regulations, standards, and norms promulgated by the state and industry should reach the value.

Relative accuracy

The average error coefficient between the measurement data of the online measurement instrument and the reference method in the same time interval.

4 Construction principles

4.1

The setting of a continuous monitoring system for smoke emissions from funeral sites shall be in accordance with the operating requirements of environmental protection facility process systems and the supervision of environmental protection authorities.

Set the relevant regulations of supervision and management.

4.2

Selection, installation, operation, review, monitoring quality control, data collection and network transmission of continuous monitoring system for smoke emissions from funeral sites the export shall meet the requirements of relevant national standards.

4.3

A continuous smoke emission monitoring system should be installed at the smoke outlet of the funeral site.

Internet, real-time transmission of data. Flue gas pollutant emission monitoring shall be in accordance with relevant regulations such as the standard value of pollutants to be measured in GB 13801-2015 Configure it.

5 System composition

5.1

The continuous monitoring system for the smoke emission of funeral sites consists of the continuous monitoring subsystem of the gas state parameters, the particulate matter monitoring subsystem, and the gaseous pollution it consists of physical monitoring subsystem and data acquisition and processing subsystem.

5.2 Continuous monitoring subsystem of flue gas state parameters

The smoke gas parameter continuous monitoring subsystem includes.

- a) Flue gas flow measuring device;
- b) Flue gas temperature measuring device;
- c) Flue gas humidity measuring device;
- d) Flue gas pressure measuring device.