

CCS Z 60



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

GB 20950-2020

Replacing GB 20950-2007

Emission standard of air pollutant for bulk gasoline terminals

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Foreword

To implement the Environmental Protection Law of the People's Republic of China and the Air Pollution Prevention and Control Law of the People's Republic of China to prevent and control environmental pollution,

To improve environmental quality, develop this standard.

This standard specifies the requirements for the control, monitoring, and supervision of oil and gas emissions during the storage and delivery of oil in oil storage depots.

The discharge of water pollutants, odor pollutants, and environmental noise from oil storage depots shall be subject to the corresponding national pollutant discharge standards, and solid waste will be generated

The identification, treatment and disposal of the product shall be subject to the corresponding national solid waste pollution control standards. The supporting power boiler implements the "Boiler Air Pollution

Emission Standard" or "Air Pollutant Emission Standard for Thermal Power Plants".

This standard was first published in 2007, and this is the first revision. The main contents of

this revision are.

- Adjusted the scope of application to crude oil, gasoline (including alcohol gasoline, aviation gasoline), aviation kerosene, naphtha and other oil storage

Oil depot, the refinery was deleted;

- Increased the requirements for the control of fuel delivery from the terminal to the tanker;
- Added VOCs leakage control requirements;
- Increased the corporate boundary emission limit.

Newly built enterprises will start from April 1, 2021, existing oil storage companies will start from January 1, 2023, and the corresponding oil storage depots of the terminal will start from

From January 1, 2024, its air pollutant emission control shall be implemented in accordance with the provisions of this standard, and the "Air Pollutant Emissions of Oil Storage Depots" will no longer be implemented.

Relevant regulations in the emission standards (GB 20950-2007) and the Comprehensive Emission Standard of Air Pollutants (GB 16297-1996).

This standard is the basic requirement for the control of air pollutant emissions from oil storage depots. Items that the provincial people's government has not specified in this standard,

Local pollutant discharge standards can be formulated; for items that have been specified in this standard, local pollutant discharge standards that are stricter than this standard can be formulated

standard.

This standard was formulated by the Department of Atmospheric Environment and the Department of Regulations and Standards of the Ministry of Ecology and Environment.

Compilers of this standard. Beijing Academy of Environmental Sciences, Chinese Academy of Environmental Sciences, Scientific Research Institute of the Ministry of Transport,

Planning Research Institute of the Ministry of Transport.

This standard was approved by the Ministry of Ecology and Environment on December 21, 2020.

This standard will be implemented on April 1, 2021.

This standard is interpreted by the Ministry of Ecology and Environment.

Emission Standard of Air Pollutants for Oil Storage Depots

1 Scope of application

This standard specifies the requirements for the control, monitoring, and supervision of oil and gas emissions during the storage and delivery of oil in oil storage depots.

This standard applies to the management of oil and gas emissions from existing oil storage depots, as well as the environmental impact assessment and environmental protection of construction projects involving oil storage depots.

Facility design, environmental protection acceptance after completion, issuance of pollutant discharge permits, and management of oil and gas emissions after commissioning.

After the implementation of the new emission standard, if the content stipulated in the existing enterprise's emission permit is inconsistent with the new standard, it shall be stipulated in the new standard.

Change the pollution discharge permit before the effective time limit.

This standard does not apply to the management of oil and gas emissions in tank farms in production enterprises.

2 Normative references

This standard quotes the following documents or their clauses. For dated reference documents, only the dated version applies to this standard

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

GB 20951 Emission Standard of Air Pollutants for Oil Transportation

GB 37822 Unorganized emission control standard of volatile organic compounds

GB/T 4754-2017 Classification of National Economic Industries

GB/T 8017 Determination of Vapor Pressure of Petroleum Products Reid Method

GB/T 11059 Crude oil vapor pressure determination method expansion method

GB/T 16157 Determination of particulate matter in exhaust from stationary sources and sampling method for gaseous pollutants

HJ 38 Determination of total hydrocarbons, methane and non-methane total hydrocarbons in stationary pollution sources gas chromatography

HJ 55 Technical Guidelines for Monitoring Unorganized Emissions of Air Pollutants

HJ/T 397 Fixed source exhaust gas monitoring technical specification

HJ 604 Determination of Ambient Air Total Hydrocarbons, Methane and Non-Methane Total

Hydrocarbons Direct Sampling-Gas Chromatography

HJ 732 Air bag method for sampling volatile organic compounds in exhaust gas from stationary sources

HJ 733 Leakage and open liquid level emission of volatile organic compounds detection technology guide

HJ 819 General Rules of Technical Guidelines for Self-monitoring of Pollutant Discharge Units

HJ 1118 Pollutant Discharge Permit Application and Issuing Technical Specifications for Oil Storage Depots and Gas Stations

"Environmental Monitoring Management Measures" (State Environmental Protection Administration Order No. 39)

"Measures for the Disclosure of Environmental Information of Enterprises and Institutions" (Order No. 31 of the Ministry of Environmental Protection)

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1

Bulk petroleum terminal

Used to carry out GB/T 4754-2017 G5941 category crude oil and refined oil storage services, which are composed of oil storage tanks and pass automobile

Places where oil products are sent and received by means of tank cars, railway tank cars, oil tankers or pipelines, except for tank farms in production enterprises.

3.2

Petroleum

A collective term for crude oil, gasoline (including alcoholic gasoline and aviation gasoline), aviation kerosene, and naphtha.

Note. It also includes circulating oil, component oil, condensate oil, light oil, etc., stored in oil storage depots with similar volatile characteristics to the aforementioned oil products.

3.3

Ethanol or methanol gasoline

Gasoline (E10) containing 10% or less of ethanol fuel or gasoline (M30, M15, etc.) containing 30% or less of methanol fuel.