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

HJ 442.8-2020

Replacing HJ 442-2008

**Technical Specifications for Environmental Monitoring in Coastal Seas
- Part 8: Monitoring of Direct Discharge of Sea Pollution Sources and
Impacts on the Water Environment of Coastal Seas**

近岸海域环境监测技术规范 第八部分 直排海污染源及对近岸海域 水环境影响监测

(English Translation)

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Foreword

To implement the Environmental Protection Law of the People's Republic of China, the Marine Environmental Protection Law of the People's Republic of China, and the "Regulations on the Administration of the Prevention and Control of Land-Source Pollutants Pollution and Damage to the Marine Environment" of the People's Republic of China "Regulations on the Management of Pollution Damage to the Marine Environment" and the "Administrative Measures for Environmental Functional Zones in Coastal Sea Areas" to regulate the ecological environment of coastal sea areas Quality monitoring, protecting the ecological environment, and ensuring the scientificity, accuracy, systematicness and comparability of the national coastal waters environmental monitoring and representativeness, formulate this standard.

This standard was first published in 2008. The original standard drafting unit was China Environmental Monitoring Station and Zhoushan Marine Biotechnology Environmental Monitoring Station. This is the first revision. The revised standard consists of the following ten parts.

Part One General Provisions Part Two. Data Processing and Information Management Part III Water Quality Monitoring of Inshore Waters Part Four. Monitoring of Sediment in Coastal Seas Part V Monitoring of Biological Quality in Coastal Waters Part VI Biological Monitoring in Inshore Waters Part VII Monitoring of rivers entering the sea Part 8: Monitoring of Direct Discharge of Sea Pollution Sources and Impact on the Water Environment of Inshore Waters Part IX Emergency and Special Monitoring in Coastal Waters Part 10 Evaluation and Report this standard, as the eighth part of the revised standard, specifies the direct discharge of sea pollution sources and the monitoring of the impact on the water environment of coastal waters Methods and procedures for sample collection, storage, transportation, on-site and laboratory analysis, and quality control. The content of this part is in the original standard on the basis of the monitoring of pollution sources and sewage, the requirements applicable to monitoring of pollution sources of direct discharge to the sea have been mainly added, and the following are mainly revised Several aspects.

--The monitoring content of direct-drained sea pollution sources has been added, and the

scale, monitoring time, Frequency and monitoring items;

--Improved the requirements of analysis method selection, annual information update, etc., and added the direct discharge sea pollution source information form and filling statement as an informative appendix;

--Improved the monitoring frequency and monitoring items of the direct discharge of sea pollution sources and the monitoring of the impact on the water environment of the coastal waters.

Appendix A of this standard is an informative appendix.

From the date of implementation of this standard, the "Environmental Monitoring Specifications for Coastal Sea Areas" (HJ 442-2008) shall be abolished.

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

Drafting organizations of this standard. China National Environmental Monitoring Station, Zhejiang Zhoushan Marine Ecological Environment Monitoring Station, Tianjin Ecological Environment Environmental Monitoring Center, Dalian Ecological Environment Monitoring Center of Liaoning Province.

This standard was approved by the Ministry of Ecology and Environment on December 16, 2020.

This standard will be implemented on March 1, 2021.

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

1 Technical specifications for environmental monitoring in coastal waters

Part 8: Monitoring of Direct Discharge of Sea Pollution Sources and Impact on the Water Environment of Inshore Waters

1 Scope of application this standard specifies the sampling, analysis, and evaluation of pollution sources directly discharged from land to sea and monitoring of water environment impacts in adjacent seas.

And technical requirements for information updates.

This standard applies to sewage discharge sources that directly discharge pollutants into the sea through the mainland coastline and island coastline, and to adjacent Monitoring of water environmental impacts in sea areas, including industrial sources, animal husbandry sources, domestic sources and centralized pollution control facilities, municipal sewage Monitoring of discharge outlets and the quality of water, sediments, marine organisms and intertidal organisms in the affected area. Hold on Monitoring of discharge outlets below the

monitoring section of sewage rivers, ditches, canals and rivers discharged directly into the sea that meet the pollutant discharge standards Also implemented in accordance with this standard.

This standard is applicable to the monitoring of land-based pollution sources directly discharged to the sea and land-based pollution sources that may cause significant ecological impact on the coastal waters.

The monitoring of the impact of pollutant discharge on the water environment of the sea is not applicable to the monitoring of the impact of pollution sources on the estuary.

2 Normative references

The content of this standard refers to the terms in the following documents. For undated references, the effective version is applicable to this standard.

GB 8978 Integrated Wastewater Discharge Standard GB 50179 River Flow Test Specification HJ 91.1 Technical Specification for Wastewater Monitoring HJ/T 92 Technical Specification for Monitoring Total Discharge of Water Pollutants HJ 168 Technical Guidelines for the Preparation and Revision of Environmental Monitoring and Analysis Methods HJ 442.1 The general rules of the first part of the technical specifications for environmental monitoring in coastal waters HJ 442.2 Technical Specification for Environmental Monitoring in Coastal Seas Part 2 Data Processing and Information Management HJ 442.3 Technical Specifications for Environmental Monitoring in Coastal Seas Part 3 Water Quality Monitoring in Coastal Seas HJ 442.4 Technical Specification for Environmental Monitoring in Coastal Seas Part 4 Monitoring of Sediment in Coastal Seas HJ 442.5 Technical Specification for Environmental Monitoring in Coastal Seas Part 5 Monitoring of Biological Quality in Coastal Seas HJ 442.6 Technical Specification for Environmental Monitoring in Coastal Seas Part 6 Biological Monitoring in Coastal Seas HJ 442.7 Technical Specifications for Environmental Monitoring in Coastal Seas Part 7 Monitoring of Rivers Entering the Sea HJ 442.9 Technical Specification for Environmental Monitoring in Coastal Seas Part 9 Emergency and Special Monitoring in Coastal Seas HJ 730 Technical Specification for Layout of Environmental Monitoring Points in Coastal Waters

23 Terms and definitions

Pollution sources directly discharged into sea Land or marine pollution sources that directly discharge pollutants to the ocean through pipelines, ditches, canals and other sewage facilities, including industrial Sources, animal husbandry sources, domestic sources, centralized sewage treatment facilities, municipal sewage treatment plants, etc. Among them, the land area is directly discharged to the sea Contamination source refers to the direct discharge of sea pollution sources from the mainland or islands directly into the sea or the river into the sea into the sea monitoring section downstream.

4 Monitoring of pollution sources directly discharged to the sea

4.1 Monitoring content

a) The monitoring scope of pollution sources directly discharged from land to sea is generally sewage discharge units with daily sewage discharge greater than or equal to 100 tons;

Other thematic monitoring requires the scale of pollution sources directly discharged from land area to sea, according to the purpose of thematic monitoring and pollution sources of different scales the overall proportion of pollution impact on coastal waters is determined;

b) Record the name of the sewage unit, the legal person code of the sewage unit and the industry classification code, the name of the sewage outlet, the code of the sewage outlet, the location of the entrance to the sea and the polluted sea area;

c) The monitoring items of land-area direct discharge to sea pollution sources include monitoring items according to GB 8978 requirements or discharge port implementation standards Water flow and discharge time; if there is no requirement for total nitrogen and total phosphorus in the standard, increase total nitrogen and total phosphorus;

According to the monitoring results, statistics on the discharge of sewage into the sea and the total amount of regional pollutants into the sea.

4.2 Monitoring frequency and time

a) Included in the routine monitoring of pollution sources with daily sewage discharge greater than or equal to 100 tons from land areas directly discharged to the sea, monitored 1 quarterly Times

b) The monitoring plan of other land-area pollution sources directly discharged to the sea, in accordance with the purpose of the monitoring plan, the pollution sources of various scales in the region enter the sea Ratio, etc., based on the principle of being able to clarify the impact of pollution sources directly discharged into the sea on the discharge area, combined with routine monitoring, confirm Set monitoring frequency;

c) The monitoring is carried out in accordance with the requirements of GB 8978, HJ 91.1, HJ/T 92 and the implemented emission standards.

4.3 Monitoring methods

4.3.1 Point layout

a) If the pollutant discharge unit is an industrial enterprise, set up points in accordance with the requirements of GB 8978, HJ 91.1 and HJ 730;

b) Other pollutant discharge units (units) should be based on the production status of the pollutant discharge units (units) and the settings of the drainage pipe network.