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GB 17378.1-2007

The specification for marine monitoring - Part 1: General rules

海洋监测规范 第1部分：总则

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Foreword

All technical content in this section is mandatory. GB 17378 "marine monitoring" is divided into seven parts.

--- Part 1. General;

--- Part 2. Data processing and analysis of quality control;

--- Part 3. Sample collection, storage and transport;

--- Part 4. Seawater analysis;

--- Part 5. Sediment analysis;

--- Part 6. Analysis of the organism;

--- Part 7. Ecological survey of offshore pollution and biological monitoring. This section GB Part of 117,378, instead of GB 17378.1-1998 "marine monitoring Part 1. General." This section compared with GB 17378.1-1998 main changes are as follows:

--- Unset (Chapter 2 of the 1998 edition);

--- Increased General (see Chapter 3);

--- Supplementary regulations accordingly in the monitoring of the general provisions on the sea, the positioning, monitoring the use of reference material, laboratory conditions on board Set (Chapter 9 of the 1998 edition; edition of 7.3,

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--- In marine monitoring quality assurance, quality control personnel monitoring, monitoring quality control system, quality assurance sampling, laboratory Quality assurance, quality assurance monitoring network accordingly Supplementary Regulations (1998 edition, Chapter 7; Excerpts of 8.1, 8.2, 8.3,

--- In the survey vessel and facility requirements, performance requirements for monitoring the ship made the corresponding supplementary provisions, increased monitoring of ship management requirements (1998 edition 10.1; edition

--- Will require monitoring equipment for monitoring the combined ship and facility requirements, and accordingly Supplementary Provisions (first edition 1998 11; edition 9.3);

1 Scope

Part 1 of China's mandatory specification for marine monitoring, giving the general rules. The series is the technical foundation of China's marine environmental monitoring - the programme that produces the data on which pollution assessment, sea area management and international reporting all rest - and this part is what makes the rest of it coherent. It sets out the purpose and design of a monitoring programme, the choice of stations and their frequency, the parameters and the quality system, the units and expression of results, and the reporting. What makes the general rules matter more than they might is comparability: marine data is used over decades and across institutions, and a trend in a contaminant is only real if the methods behind the early data and the late data were the same. This part is what fixes that, and Parts 2 to 7 elaborate each stage.

This part of GB 17378 specifies the basic elements of marine environmental quality monitoring and investigation of the expansion program, including planning, marine survey The basic method of implementation, quality control, survey equipment, the results of data compilation and report preparation and the like. This section applies to the organization and management of marine monitoring.

2 Normative references

The following documents contain provisions which, through reference in this Part of

GB 17378, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB 17378.2 specification for marine monitoring Part 2. Data processing and quality control analysis

GB 17378.3 specification for marine monitoring Part 3. Sample collection, storage and

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transportation

GB 17378.4 specification for marine monitoring Part 4. Seawater Analysis

GB 17378.5 specification for marine monitoring Part 5. Sediment analysis

GB 17378.6 specification for marine monitoring Part 6. Analysis of the organism

GB 17378.7 specification for marine monitoring Part 7. Ecological survey of offshore pollution and biological monitoring HY/T 058 oceanographic survey observations to monitor the archives specification "People's Republic of China State Science and Technology Commission of Science and technology achievement appraisal approach"

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3.1 Marine monitoring mission

3.1.1 grasp of major pollutants into the sea and the sea conditions and the quality of long-term trends, determine whether the quality of the marine environment in line with national standard.

3.1.2 Inspection of marine environmental policy and prevention measures of regional results, macro-management feedback information to evaluate the effect of preventive measures. Major environmental and ecological issues

3.1.3 Monitoring may occur, provide the basis for early warning.

3.1.4 research, verification of pollutant transport, dispersion models to predict the impact the new sources of pollution and secondary pollution of the marine environment for the development environment Management and planning provide a scientific basis.

3.1.5 and carry out monitoring of marine rights and interests, to provide information for the border demarcation, protection of marine resources, ocean health maintenance.

3.1.6 to carry out monitoring of marine resources, in order to protect human health, the maintenance of ecological balance and rational development and utilization of marine resources, to achieve sustainable use service.

3.2 Classification marine monitoring

3.2.1 Study Monitoring Monitoring is intended to clarify the research objectives pollutant monitoring. By monitoring the discharge of pollutants from emission sources to ascertain the receptor to change migration Of trends and patterns. When monitoring data indicate the existence of environmental problems, determine the extent of harm to human pollutants, biological and landscape ecology and nature.

3.2.2 Monitoring Monitoring Surveillance monitoring, also known as routine monitoring, including pollution control and emission monitoring pollution trend monitoring. In the sewage outfall and predetermined waters were Determination of contaminants on a regular basis point, to assess progress in emission control, evaluation of environmental conditions,

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