

HJ

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HJ/T 373-2007

**Technical specifications of quality assurance and quality
control for monitoring of stationary pollution source(on trial)**
(English Translation)

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Foreword

In order to implement Environmental Protection Law of the People's Republic of China, Water Pollution Prevention and Control Law of the People's Republic of China and Atmospheric Pollution Prevention Law of the People's Republic of China, standardize the monitoring of pollution source, and ensure the accuracy and reliability of monitoring data and information, hereby formulate this Standard.

This Standard specifies technical requirements for quality assurance and quality control of sampling and testing in the process of manually monitoring and comparison monitoring of waste water discharge and exhaust emission of stationary pollution source.

This Standard is a directive standard.

This Standard is proposed by the Department of Science, Technology and Standards of State Environmental Protection Administration.

Drafting organizations of this Standard are. China National Environmental Monitoring Center, and Shenyang Municipal Environmental Monitoring Center.

This Standard was approved by State Environmental Protection Administration on November 12, 2007.

This Standard was implemented on January 1, 2008.

State Environmental Protection Administration shall be responsible for interpreting this Standard.

Technical specifications of quality assurance
and quality control for monitoring of stationary
pollution source (on trial)

1 Scope of application

This Standard specifies technical requirements for quality assurance and quality control of sampling and testing in the process of manually monitoring and comparison monitoring of waste water discharge and exhaust emission of stationary pollution source.

This Standard applies to the environmental monitoring of waste water discharge and exhaust emission of stationary pollution sources.

2 Normative references

The articles contained in the following documents have become part of this Standard when they are quoted herein. For the undated documents so quoted, all the modifications or revisions made thereafter shall be applicable to this Standard.

GB 8978-1996 Integrated wastewater discharge standard

GB 12998-91 Water quality-Guidance on sampling techniques

GB 16297-1996 Comprehensive emission standard of air pollutants

GB/T 16157-1996 The determination of particulates and sampling methods of gaseous pollutants emitted from exhaust gas of stationary source

HJ/T 75-2007 Specifications for continuous emissions monitoring of flue gas emitted from stationary sources (on trial)

HJ/T 76-2007 Specification and test procedure for continuous emission monitoring systems of flue gas emitted from stationary sources (on trial)

HJ/T 91-2002 Technical specifications requirements for monitoring of surface water and waste water

HJ/T 92-2002 Technical requirements for monitoring of total amount of pollutants in waste water

HJ/T 355-2007 Technical specifications for the operation and assessment of Wastewater on-line monitoring system (on trial)

HJ/T 356-2007 Technical specifications for validity of wastewater on-line monitoring data (on trial)

Check-up System of Employment with Certificates for Environmental Monitoring Staff

(Huanfa [2006] No.114)

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions shall apply.

3.1 Quality assurance

The total quality management during the process of environment monitoring includes all activities and measures to ensure the accuracy and reliability of environmental monitoring data.

3.2 Quality control

It refers to the operational techniques and activities adopted to meet the quality requirements of environmental monitoring.

3.3 Comparison monitoring

It refers that in order to verify the accuracy of results of water and gas online automatic monitor, manual monitoring method and online automatic monitor method are simultaneously adopted; manual monitoring results are the basis for verifying online automatic monitoring data. Of which the manual monitoring methods shall use national standard methods or other currently effective methods.

3.4 Field-laboratory quality control

It refers to the process of synchronous sampling and analysis of quality control samples and practical samples according to fixed routines. And its quality control results can be used to determine whether the error of the monitoring results derives from field sampling or laboratory analysis.

4 The technical requirements of quality assurance and quality control for waste

water monitoring

4.1 Monitoring personnel

When water is deeper than 1 m, sampling shall be conducted at 1/4 depth of water under surface layer; when depth of water is not more than 1 m, sampling shall be conducted at 1/2 depth of water; the sampling location shall be close to the center of sampling section and comply with the requirements of 6.3.2 in HJ/T92-2002.

4.4.5.1 Requirements of sampling apparatuses

Sampling apparatuses shall be able to mark the sampling depth, and texture and structure shall comply with the provisions of GB 12998-91.

4.4.5.2 Cleaning of sampling apparatuses

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