

ICS 13.060.30

Z 61



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

中华人民共和国国家标准

GB 4914-2008

Replace GB 4914-1985

**Effluent limitations for pollutants from offshore
petroleum exploration and production**

海洋石油勘探 开发污染物排放浓度限值

Issued on Oct 19, 2008

Implemented on May 01, 2009

Issued by General Administration of Quality Supervision, Inspection and Quarantine
of the People's Republic of China

Standardization Administration of the People's Republic of China (SAC)

Contents

Foreword	1
1 Scope	1
2 Normative References	1
3 Terms and definitions	2
4 Effluent Requirements/Concentration Limit Levels	4
5 Effluent Limitations for Pollutants	4
6 Pollutant Determination	8
6.1 Sampling, Sample Sending and Storage	8
6.2 Analysis methods	8
6.3 Data processing and quality control analysis	9
Annex A	10
Annex B	32

Foreword

Chapter 4 and Chapter 5 of the standard are mandatory while the remaining content is only for recommendations.

The standard replaces GB 4914-1985 *Effluent Standards for Oil-bearing Waste Water from Offshore Petroleum Development Industry*. This standard, in comparison with GB/T 4914-1985, has the main changes as follows:

- Redefine the sea area level (see Chapter 4);
- Redefine the effluent limitations for water pollutant during production (see Chapter 5);
- Add regulations on effluent limitations for pollutant in drilling fluids and drilling cuttings (see Chapter 5);
- Add regulations on emission requirements/concentration limits for sewage and solid waste generated during the oil exploration (see Chapter 5);
- Add the informative Annex A “Extraction- Weighting Methods on Measuring Materials(HEM; Grease) that Can be Extracted by Normal Hexane and Materials (SGT-HEM; Non-polar Materials) that Can be Extracted by Normal Hexane after Silica Gel Adsorption” (see Annex A); Annex A has referred to the technical contents in USEPA 1664A Standard of Environment and Protection Association;
- Add the informative Annex B “Methods on Analysis of Oil Contents in Water-based Drilling Fluids and Water-based Drilling Fluids Drilling Cuttings” (see Annex B).

In this standard Annex A and Annex B are informative Annexes.

The standard is proposed by State Oceanic Administration.

This standard is centralized by the National Oceanic Technology Standardization Technical Committee (SAC/TC 283).

This standard is drafted by: National Marine Environmental Monitoring Center

Main drafters of the Standard : Wang Juying, Xu Lina, Han Gengchen, Zhang Zhifeng, Zhao Yunying, Chen Changshu, Han Jianbo and Li Jun.

The information concerning the issuance of previous versions of the Standard replaced by the Standard is as follows:

- GB 4914-1985

Effluent Limitations for Pollutants from Offshore Petroleum Exploration and Production

1 Scope

This standard specifies the effluent limitations of pollutant generated during offshore petroleum exploration and development that is directly discharged into different sea area.

The standard is applicable to China's internal waters, territorial waters and other sea areas under jurisdiction and it mainly regulates the emission of production water, drilling fluids, drilling cutting and other pollutants used by any legal person, natural person and other economy bodies on petroleum exploration and development or directly discharged into the sea after production.

The terms listed in the following documents which are cited by this standard shall be the terms of this standard. For dated references, all of their subsequent amendments (excluding the contents of errata) or revisions are not applicable to this standard. However, parties who reach agreement based on this standard are encouraged to investigate the possibility of applying the latest editions. The latest editions of the undated references shall be applicable to this standard.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 8978 Integrated wastewater discharge standard

GB 11914 Water quality-Determination of the chemical oxygen demand-Dichromate method

GB/T 16782-1997 Procedure for field testing oil-based drilling fluids

GB/T 16783.1-2006 Petroleum and natural gas industries - Field testing of drilling fluids - Part 1: Water-based fluids

GB 18486 Standard for pollution control of sewage marine disposal engineering

GB 17378.2 The specification for marine monitoring—Part 2: Data processing and quality control of analysis

GB 17378.3 The specification for marine monitoring—Part 3: Sample collection storage and transportation

GB 17378.4 The specification for marine monitoring—Part 4: Seawater analysis

GB 17378.7 The specification for marine monitoring—Part 7: Ecological survey for offshore pollution and biological monitoring

GB/T 17923-1999 Analysis method for oil-bearing waste water from marine petroleum development industry

GB 18420.1-2001 Biological toxicity grading for pollutant from marine petroleum exploration and exploitation

GB/T 18420.2 Biological toxicity inspection method for pollutant from marine petroleum exploration and exploitation

SN/T 1325.1-2003 Determination of mercury content of barites for import and export—Cold atomic absorption spectrometric method

SN/T 1325.2-2003 Determination of cadmium content of barites for import and export -- Atomic absorption spectrometric method

3 Terms and definitions

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

3.1

pollutants from offshore petroleum exploration and production

It refers to any substance that is used during the offshore petroleum exploration and production or discharged into the sea after production and may have an impact on the marine ecological environment.

Note 1: The pollutants from offshore petroleum exploration and production include the pollutants generated during the exploration which are directly discharged into the sea, and the associated gas discharged into the atmosphere.

Note 2: Modify GB 18420.1-2001 and define 3.1.

3.2

drilling fluids

drilling muds

It is composed of water or oil, clay, chemical products and some inert materials and is used to lubricate and cool the drill, carry drilling cutting, balance the formation process and stabilize the

完整版本请在线下单

或咨询：

TEL: 400-678-1309

QQ: 19315219

Email: info@lancarver.com

<http://www.lancarver.com>

线下付款方式：

1. 对公账户：

单位名称：北京文心雕语翻译有限公司

开户行：中国工商银行北京清河镇支行

账 号：0200 1486 0900 0006 131

2. 支付宝账户：info@lancarver.com

注：付款成功后，请预留电邮，完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱，如需索取发票，下单成功后的三个工作日内安排开具并寄出，预祝合作愉快！



银联特约商户