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

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**Technical guidelines for environmental protection in oil and  
natural gas. Exploitation development for check and accept  
completed project  
(English Translation)**

**Issued on: February 11, 2011**

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## Foreword

To implement the "People's Republic of China Environmental Protection Law", "People's Republic of China Environmental Impact Assessment Law" and "Construction Project Environmental Protection Management Ordinance" to regulate and guide the oil and gas exploration and acceptance of completed construction projects, formulation of this standard.

This standard specifies the scope of oil and gas exploration work and acceptance of completed construction projects, content, procedures, methods, and should be followed.

This standard is the first release.

Appendix A of this standard is a normative appendix.

This standard is developed by the Ministry of Environmental Protection Science, Technology organization.

This standard was drafted. Environmental Protection Department of Environmental Engineering Assessment Center.

This standard MEP February 11, 2011 for approval.

This standard since June 1, 2011 implementation.

The standard explanation by the Ministry of Environmental Protection.

Construction Project Environmental Protection acceptance for oil and gas

## 1 Scope

This standard specifies the land, beach sea oil and gas construction project completion environmental protection acceptance of the scope of work, work content, technology Methods and requirements.

This standard applies to land, beach sea oil and gas exploration of new construction, renovation, expansion and acceptance of completed construction projects.

## 2 Normative references

The standard content of the following documents cited in the articles. For undated references, the effective version applies to this standard.

GB 3096 acoustic environment quality standards GB 3838 Surface Water Quality Standards GB 5468 boiler soot test methods GB 8978 Integrated Wastewater Discharge Standard GB 9078 industrial furnace air pollutant emission standards GB 12348 industrial enterprises of environmental noise emission standard plant boundary GB 13271 boiler air pollutant emission standards GB 14554 standard malodorous emissions GB 15618 Soil Environmental Quality Standards GB 16297 Air Pollutant Emission Standards GB 17378 specification for marine monitoring GB/T 12763.1 specification for oceanographic survey - Part 1. General GB/T 16157 Stationary source emission-Determination of particulates and gaseous pollutants sampling methods HJ/T 2.1 Environmental Impact Assessment Technology Guidelines Master HJ 2.2 Technical Guidelines for Environmental Impact Assessment of Atmospheric Environment HJ/T 2.3 Environmental Impact Assessment Technology Guidelines surface water HJ 2.4 Environmental Impact Assessment Technology Guidelines make a sound environment HJ/T 19 Environmental Impact Assessment Technology Guidelines non-polluting ecological impact HJ/T 55 fugitive emission monitoring of air pollutants Technical guidelines HJ/T 91 surface water and wastewater monitoring technical specifications HJ/T 164 groundwater environmental monitoring technical specifications HJ/T 394 Construction Project Environmental Protection acceptance for ecological impact category

## 3 Terms and Definitions

The following terms and definitions apply to this standard.

Oil and gas oil

It refers to oil and gas exploration, production and oil and gas field services, including oil and gas field exploration, drilling, downhole operation, oil (gas), Oil and gas processing, oil and gas gathering and other operations processes. Without external transmission pipelines and independent oil storage, gas storage and other construction projects.

## Oil exploration oil

It means to search for and identify oil and gas resources exploration and use various means to understand the geology of the ground, recognizing that oil generation, storage, transportation of oil and gas Shift, accumulation, preservation and other conditions, a comprehensive evaluation of oil and gas prospects determined favorable oil and gas accumulation area, find the reservoir of oil and gas traps, and proven Oil and gas area, find out the process of reservoir conditions and output capabilities.

Oil field development it refers to understanding and mastering the geological field and its variation, based on the production and distribution of oil in the reservoir on reasonable order, and by Adjust production wells operating systems and other technical measures to be taken to the underground petroleum resources in the whole process of the ground.

Downhole borehole operation in the oil field development process, according to oilfield adjustment, alteration, improvement, tapping the potential needs, in accordance with the process design requirements, using a set of ground and downhole equipment, tools, technical measures to adopt various downhole oil well, to improve the injection and production capacity, improve oil seepage and oil, water Well the state of technology, underground construction process technology to improve oil recovery rate and ultimate recovery purposes.

## 4.1 Work program

### 4.1.1

Acceptance investigation points to prepare a preliminary investigation, the development of the program of work, detailed investigation report prepared five stages. Equipment Body work program shown in Figure 1.

### 4.1.2

After acceptance of investigation by the environmental protection administrative department of the environmental protection acceptance for on-site inspection.

## 4.2 Acceptance period and scope of the investigation

### 4.2.1

According to the construction process, the acceptance period is generally divided into exploration and development of the survey period, the construction period, commissioning of three periods.

### 4.2.2

Acceptance of the scope of investigation in principle consistent with the scope of the evaluation of environmental impact assessment documents; when the actual project construction content changes or ring when the environmental impact assessment

documents not fully reflect the actual ecological impacts and other environmental impacts of construction projects should be based on the actual construction and engineering the environmental impact of the actual situation, combined with field survey conditions be adjusted appropriately.

### **4.3 Acceptance standard investigation**

Adopt environmental standards and pollution control facilities, the environmental impact assessment document by the environmental protection administrative department confirmed on principle 4.3.1 the investigation related indicators as acceptance criteria have been revised if new environmental standards promulgated by the survey as acceptance criteria used.

Situation 4.3.2 Present value of the environmental quality standards No Factor, can be used in the environmental impact assessment documents, environmental impact assessment Factors and limits or regional background value and the background value is determined as a reference document for approval.

#### **4.3.3**

environmental standards is not the factor, but it has made the design files provided, according to design documents metrics for acceptance.

### **4.4 Operation Requirements Engineering**

#### **4.4.1**

to adjust for acceptance based on industry characteristics, the main project in construction projects running, supporting environmental protection facilities built after use Investigation work.

#### **4.4.2**

indicate the actual survey conditions, according to the environmental impact assessment documents of recent design capabilities of the major environmental factors impact analysis.

#### **4.4.3**

phased construction, phased into production in stages of construction projects should be carried out acceptance investigation carried out in stages acceptance of environmental protection.

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