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

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**Guideline of safety management system implementation for
petrochemical corporation**

石油化工企业安全管理体系实施导则
(English Translation)

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1 Scope

This standard specifies the guidelines for the safety management modes and management methods of petrochemical enterprises.

This standard applies to the safety management of the entire process of petrochemical enterprises. The enterprise can select the applicable content according to the actual situation and ensure that it meets the requirements of relevant laws-regulations and standards.

2 Terms and definitions

The following terms and definitions apply to this standard.

2.1

Element

Key factors in safety, environmental and health management.

2.2

Accident

Unexpected circumstances that cause death, illness, injury, property damage, or environmental damage.

2.3

Hazard

The source or state that may cause injury, illness, property damage, damage to the work environment, or a combination of these conditions.

2.4

Hazard identification

The process of identifying the presence of a hazard and determining its characteristics.

2.5

Environmental aspect

Elements of an enterprise's activities, products, and services that can interact with the environment.

2.6

Environmental impact

Any beneficial or harmful changes to the environment caused, in whole or in part, by the environmental factors of an enterprise.

2.7

Risk

A combination of the likelihood and consequences of a particular hazard.

2.8

Risk assessment

The process of assessing the magnitude of the risk and determining whether the risk is permissible.

2.9

Performance

A measurable result as obtained by managing the risks of enterprise based on safety management policies and objectives.

3 Safety commitments, policy objectives and

responsibilities

3.1 General

Enterprises shall have clear commitments and documented policy objectives for safety management. Enterprise leaders continuously improve their safety performance by providing resources as well as assessments and audits.

3.3 Policy objectives

The policy objectives are the guiding ideology and strategic goals of the enterprise in safety management, as well as the embodiment of pursuing good safety performance.

3.4 Responsibility

Enterprises shall implement safety responsibilities at all levels by establishing a safety management system.

4.1 General

Enterprises shall establish safety organizations and clarify their responsibilities, rationally allocate human, financial and material resources, conduct extensive training, to improve the safety awareness and professional skills of all employees.

4.2 Organization and responsibilities

The enterprise shall set a safety management committee, establish a corresponding safety management organization, clearly define its duties and authority.

4.3.3 Training plan

The training plan is as follows.

4.3.4 Training records and files

Enterprises shall establish safety training records and files as required, including at least.

4.6.1 Requirements for file control

Enterprises shall control the safety management documents, to ensure that.

4.6.2 Scope of document control

Scope of document control is as follows.

5.1 General

Enterprises shall conduct hazard identification and risk assessment in an organized manner, identify the hazards and impacts related to business activities, assess and analyze them,

5.2.1 Scope and method of hazard identification

Enterprises shall systematically determine the hazards and impacts of production activities, product transportation and after-sales services, the scope shall cover the entire process from putting into production to product sales. At least it shall consider.

5.2.2 Risk assessment criteria

The risk assessment criteria are the basis for determining the hazard and its effects.

5.3.1 Establish objectives and measures of risk control

The enterprise shall, after the risk assessment, according to the enterprise's policies, the objectives, the needs of risk management and production & operation activities, formulate indicators for safety management activities.

These quantitative indicators shall be verifiable and achievable. Enterprises shall regularly review the continuity and suitability of quantitative indicators.

5.3.2 Identify and assess risk control measures

According to the results of risk assessment, take targeted risk control measures, to eliminate and reduce hazards and impacts, prevent potential accidents.

5.3.2.1 Principles of risk control

5.3.2.2 Technical measures for risk control.

5.3.2.3 Management measures for risk control.

5.3.3 Implement risk control measures

After the risk control measures are determined, it shall organize the implementation work in a timely manner, including.