# 石油库的加油站 SHI YOU KU YU JIA YOU ZHAN

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#### OPERATION MANAGEMENT

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Abstract: The common types of IC card used in oil product retail market were introduced, and the main application modes, such as card - machine interaction, central control background settlement mode, and POS (Point of Sales) terminal settlement mode were presented as well.

Keyword: gas station, oil product retail, IC card. application.

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**Keyword:** enterprise management, ERP system, total budget management.

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**Keyword**: oil products company, safety responsibility, field management.

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Abstract: SINOPEC Shandong Oil Products Company, by means of "I Need Safety" theme activity, improved staff's safety quality, intensified safety effects, prevented and avoided production accident, which laid the foundation for the company to fulfill all the masks.

**Keyword**: Oil Products Company, safety management, safety effect.

18. Analysis on Illegal Behaviors in Oil Receive and Dispatch Operation. Song Shengkui, Gao Zhongsheng, Gong Zhongxuan.

Abstract: Four kinds of illegal behaviors including breach of duty, disregarding operation regulations, neglecting equipment performance, and carelessness existing probably in oil receive and dispatch operation were analyzed deeply, which played an important role to regulate the operator behavior and ensure the safety in receive and dispatch operation.

**Keyword:** oil receive and dispatch, operation, illegal behavior, analysis.

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Abstract: The hazard and occurring principle of thunder and lightning were introduced, on the basis, the different damage patterns of oil depot buildings caused by various thunder and lightning were detailed, and the installation and usage of lightning arrester was presented as well.

**Keyword:** oil depot, thunder and lightning, prevention, lightning arrester.

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**Keyword:** gas station, buried tank, Dow F&EI Method, safety assessment.

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**Keyword:** oil product pipeline, pipeline cleaning, pipeline pig, experience.

32. Design of Oil Tank Top Insulation for Energy Saving. Ai Libing.

Abstract: According to a specific oil depot construction project, aiming to save energy, the oil tank top insulation design were presented, and compared with the option without top insulation. The design results showed that the addition of top insulation increased the initial investment, but the effect of energy saving was obvious, and the return of investment was 0. 788 year.

**Keywords:** oil tank, top insulation, energy saving, return of investment.

35. Application of Self – Adjusting Position Sampling Device in Storage Tank. Zheng Yongbo, Yang Zhongping, Bai Fan, He Lingsheng.

**Abstract:** The fundamentals, performance and characteristics of automatic sampling device used for vertical storage tank were introduced briefly. Using said device, the shortcomings of manual sampling could be avoided to guarantee the quality, safety, high—speed and convenience of oil sampling.

**Keyword:** oil tank, oil sampling, self – adjusting position sampling device.

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38. Application of Physicochemical Gas Floatation and Optimal Bacteria Biological Contact Oxidation Process in Petroleum Wastewater Treatment. Zhang Shouzheng, Lu Jianping, Li Jiuyao, Hu Jianmin.

Abstract: The application of physicochemical gas floatation and optimal bacteria biological contact

oxidation process for treating petroleum wastewater in Pacific Company Limited of Hainan Oil product Company was introduced. The treated waste water could meet steadily the requirements of first grade of national "integrated wastewater discharge standard" (GB8978 – 1996).

**Keyword:** oil depot, oily wastewater, wastewater treatment.

42. Selection of Oil Vapor Recovery Technologies in Oil Depot. Chen Shenyi.

Abstract: The hazard of oil vapor was introduced briefly, the technology, economic and environment benefit of different oil vapor recovery methods used in oil depot at present, such as adsorption, solvent absorption, membrane separation, and condensation method, were compared in detail, and the adaptability of various methods were investigated in order to reach the consistency of economic benefit, social benefit and ecological environment benefit. The reasons why some existing vapor recovery systems could not function normally were analyzed preliminarily, and on the basis the principle for selecting oil vapor recovery technology and advice for further research and development was proposed.

**Keyword:** oil depot, oil vapor recovery technology, selection, advice.