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目次

经营管理

- 1 利用SAP系统控制企业经营风险..... 周兆林
- 4 成品油管道设备管理信息系统的设计与实现.....
..... 范峰 周浩 郝斌
- 7 加油站设备管理初探..... 赵骏

安全管理[深入开展“我要安全”主题活动专栏]

- 10 深化未遂事故管理的探讨..... 鲁信春
- 12 油库安全事故中的人为差错分析..... 张培春 崔存梅
- 16 联合站安全问题分析及对策..... 吴彦东 高秋华 吴玉国

安全技术[深入开展“我要安全”主题活动专栏]

- 19 油库安全间距分析..... 王春涛 赵新颖
- 23 海底原油管道泄漏检测技术..... 刘欣

储运技术

- 27 提高成品油库自动化信息化水平的探讨..... 徐舒
- 29 油库公路发油技术的选择..... 闫德林
- 33 节能液压式CNG汽车加气子站的应用.....
..... 雷建平 周三平 李珊
- 35 加油站油气回收处理设备选型之我见..... 程佳成 折恕平

环境保护

- 38 加油站对水体污染的防控..... 胡一平
- 40 基于制冷技术的油气回收过程..... 李少华 刘宝玉

报道及其他

- 3 中国石油化工集团公司安全生产禁令(试行)
- 9 中国石化销售企业岗位练兵和技术比武取得可喜成绩
- 15 2010年第6期广告目次
- 26 中国石化销售企业安全纪律(试行)
- 32 《石油库与加油站》杂志2010年度合订本征订启事
- 37 2011年《石油库与加油站》杂志征订启事
- 42 《石油库与加油站》2010年总目次

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Contents and Abstracts

OPERATION MANAGEMENT

1. Risk Control of Enterprise Operation Using
SAP System. Zhou zhaolin

Abstract: According to the common risks in the
operation and management of petroleum compa-
ny, such as the credit risks in oil products sales
step, capital risks in exchange settlement, materi-
al object risks in oil products storage, and safety
risks in oil products handling, taking SAP R/3
system for centralization, various risk control
methods were designed and developed, which de-
sign ideas and control measures were described.
And the comprehensive benefits obtained in risk
control were analyzed objectively.

Keyword: petroleum company, operation and
management, risk control, measure.

4. Design and Implementation of Equipment
Management Information System for Oil Products
Pipeline. Fan Feng, Zhou Hao, Yu Bin.

Abstract: Basing on the comprehensive theory of
equipment management, starting from the inte-
grated study on equipment management of oil
products pipeline, taking the advantages of com-
puter and network information management,
through the analysis on the function requirement
of oil products pipeline equipment management, a
design and solution based on B/S application mode
and three layers configuration composed of system
user layer, business logic layer and supporting lay-
er was presented, and consequently the informa-
tion system for oil products pipeline equipment
management under the . Net configuration was
implemented.

Keyword: oil products pipeline, equipment man-
agement information system, design.

7. Preliminary Study on Equipment Management in Gas Station under New Situation. Zhao Jun.

Abstract: The status and major task of equipment management in gas station is introduced, and the approaches to improving equipment management level are discussed as well.

Keyword: gas station, equipment management, discussion.

SAFETY MANAGEMENT

10. Discussion on Deepening Management of Near - Accident. Lu Xinchun.

Abstract: The article discussed how to improve the understanding of near - accidents management, de-bottleneck near - accidents reporting, strengthen statistics and analysis of near - accidents, and share the warning education effect on near - accidents.

Keyword: near - accident, management, discussion.

12. Analysis on Human error in the Oil Depot Safety Accidents. Zhang Peichun Cui Cunmei

Abstract: The reasons causing human errors were analyzed from the perspectives of human's psychological factors, physiological factors and the external factors such as environment. The countermeasures were proposed to improve comprehensively human reliability, minimize the individual errors, and reduce the safety risk of oil depot.

Keyword: oil depot, human error, reason analysis, countermeasure.

16. Analysis on Safety Problems of United Stations and Countermeasures. Wu Yandong, Gao Qihua, Wu Yuguo.

Abstract: The united station is the important part of oilfield surface gathering and transportation system, which is the place for oil and gas gathering and distribution, and is also the place where high risks exist and concentrate. Based on the analysis of danger factors in the site and medium of united station, the safety management methods in united stations and the safety prevention measures are intro-

duced.

Keyword: united station, safe operation, danger analysis, prevention measure.

SAFETY TECHNOLOGY

19. Analysis on Safety Distance in Oil Depot. Wang Chuntao, Zhao Xinying.

Abstract: Thermal radiation damage is the main damage mechanism for pool fires in open air. The damage criterion of thermal radiation was discussed and the method to predicting damage radius of pool fires was proposed. Taking an oil depot as example, numerical simulation calculation on the damage radius of probable pool fire was performed, and then the setting of safety distance in oil depot was analyzed. Based on the numerical simulation calculations of pool fire radius, the necessity to further subdivide the first - order oil depot (station and yard) was presented, and the oil depots (station and yard) of volume more than one million cubic meters should be classified individually, which safety standard should be improved.

Keyword: oil depot, pool fire, thermal radiation, numerical simulation.

23. Detection Technology for Submarine Crude Oil Leakage. Liu Xin.

Abstract: The basic status of submarine pipelines home and abroad was briefly introduced. The detection technologies for submarine crude oil pipeline leakage including pipeline inside detection, outside detection, and the newly arisen real - time detection were introduced.

Keyword: submarine pipeline, leakage, detection.

STORAGE TECHNOLOGIES

27. Discussion on Improving Application Level of Oil Products Depot Automatization and Information Technology. Xu Shu.

Abstract: In order to improve the application level of oil products depot automatization and information technology, the influencing factors including optimization of equipment configuration, increasing

application software development level, and improving the application and management level of operator were discussed.

Keyword: oil depot, automatization, information, application.

29. Study on Selection of Highway Oil Distribution Technology. Yan Delin.

Abstract: Based on the analysis of configuration, features and comparison of highway oil distribution technologies of oil depot, the applicability of various technologies was proposed. The general principle for technology selection and the method to selecting automatic control modes, controller, and off-loading system for highway oil distribution of oil depot was presented.

Keyword: oil depot, highway oil distribution, technology analysis, selection.

33. Application of Energy - Saving Hydraulic CNG Secondary Fueling Station. Lei Jianping, Zhou Sanping, Li Shan.

Abstract: The structure, process flow, features and operation status of energy - saving hydraulic CNG secondary fueling station were introduced, and the problems needing to be solved in operation were presented.

Keyword: CNG secondary fueling station, structure, operation, problem.

35. Thoughts on Oil Vapor Recovery Equipment Selection in Gas Station. Cheng Jiacheng, She Shuping.

Abstract: The working principles of oil vapor recovery methods common used in gas station, such as absorption, adsorption, condensation and membrane separation were introduced, and the advantages and disadvantages of these methods were ana-

lyzed. Based on the analysis and comparison, it was proposed that condensation combined with adsorption method is suitable for gas station. The case analysis results showed that using condensation combined with adsorption method, the gas station could achieve better economic and social benefits.

Keyword: gas station, oil vapor recovery, economic benefit, analysis.

ENVIRONMENT PROTECTION

38. Prevention of Water Pollution Caused by Gas Station. Hu Yiping.

Abstract: The hazards of water pollution and the reasons causing water pollution by gas station were introduced. The prevention measures for water pollution caused by gas station were proposed such as strengthening the maintenance of equipments, improving the implementation of rules and regulations, establishing effective contingency plans, allocating reasonably prevention and control material, and nurturing the good operation habit.

Keyword: gas station, water pollution, prevention and control measure.

40. Oil Vapor Recovery Process Based on Refrigeration Technology. Li Shaohua, Liu Baoyu.

Abstract: In the course of storage and distribution of oil products, there is large amount of evaporation loss, which not only cause energy waste, but also bring about environment pollution. Oil vapor recovery is the most effective method to solve the problem. The principle of oil vapor recovery based on direct refrigeration and the application of combination process on oil vapor recovery were introduced.

Keyword: refrigeration, oil vapor recovery, combination process.