

梅斯岛西南部

SHI YOU KU YU JIA YOU ZHAN

1992 年创刊(双月刊) 第 19 卷 第 4 期 总第 110 期 2010 年 8 月 20 日出版

编安宏石官土在: 字径兀 水件砌	
编委会主任:左兴凯	日 次
副主任:郭飞鸿 牛竟民 特邀顾问: 吕 品 赵永明 夏于飞	经营管理
柴志明	1 加油站服务质量的差距分析 张 媛
委员: 刘怀义 王洪川 徐福斌 张紫傲	4 条件约束下的成品油配送优化问题
冯培育 李玉杏 芮继强 刘成勇	安全管理[深入开展"我要安全"主题活动专栏]
罗春平 郭松峰 焦德才 李绍清	7 查隐患,抓治理,促成效,构建安全生产长效机制*
郭晋和 张松华 林 东 贾约鹏 罗开勇 闫 华 杨元顺 吴劲松	中国石化江西石油分公司
陈金春 李旦杰 黄流雄 马安生	10 沿海石油企业的台风危害及应对措施 鲁信春
陈肃何明刘唱宫敬	12 对加油站应急预案相关问题的探讨 胡一平
陈保东 卢世红 周家祥 韩 钩 张 毅 宋 伟 张建才 宁军功	数质量管理
卜文平 金万刚	15 可预知的油库混油量的控制
杜长:左兴凯 副社长:郭飞鸿	17 降低储罐油品蒸发损耗的措施
主编:牛竞民	安全技术[深入开展"我要安全"主题活动专栏]
副主编:金万刚	20 加油站静电危害的形成原理及防护措施 吕 丽
责任编辑:张 玉 —————————————————————	23 关于完善石油库消防设计规范的几点建议
主管:中国石油化工集团公司	储运技术
主办:中国石化销售有限公司 编辑出版:《石油库与加油站》杂志社	25 石油石化销售企业构建统一通信平台的研究 申 伟
国内发行:《石油库与加油站》杂志社	29 电气化铁道对油气管道电磁干扰的计算及防护措施 张小月
地址:北京市朝阳区静安里 12 号楼 邮编:100028	32 钢制油罐腐蚀的分析与防护措施 毛小冰
电话:(010)64618538	35 CNG 加气子站增压加气工艺方案的比较 劳晶华 明晓江
传真:(010)64668601	38 洞式油库通风降湿的时机 喻益才
E-mail:sykjyz@sina.com 国外发行:中国图书进出口总公司	储运技术
国外发行代号:2263BM	40 加油站油气回收存在的问题及对策研究
印刷:廊坊市光达胶印厂 厂址:廊坊市光明东道4号	
邮编:065000	42 油气质量标准对污染物排放标准的影响
标准连续出版物号: ISSN 1008 - 2263 CN 11 - 3945/TE	报道及其他
广告许可证号:京朝工商广字第 0135 号	6 中国石化广西柳州石油分公司举行加油站预案演练竞赛比武活动
国内定价:每册 10元,全年 60元	9 2010 年第 4 期广告目次
· · · · · · · · · · · · · · · · · · ·	19 中国石化北京石油分公司强化应急管理,提高处突能力
服权。朱经允许,不得粉榄	22 加油员要学会"自我保护"
東見創。各刊限電地拆的	34 《石油库与加油站》2009 年度合订本征订启事

44 中国石化广东石油仓储公司"我要安全"直冲"四强"



OIL DEPOT AND GAS STATION

Bimonthly, Started Publication in 1992 Vol. 19, No. 4 No. 110 totally Aug 20, 2010

Honorary Chairman of Editorial Committee: Li Chunguang, Zhang Haichao

Chairman of Editorial Committee: Zuo Xingkai Vice Chairman of Editorial Committee: Guo Feihong, Niu Iingmin

Special Consultamts: Lu Pin, Zhao Yongming, Xia Yufei, Chai zhiming

Members: Liu Huaiyi, Wang Hongchuan, Xu Fubin, Zhang Ziao, Feng Peiyu, Li Yuxing, Rui Jiqiang, Liu Chengyong, Luo Chunping, Guo Songfeng, Jiao Decai, Li Shaoqing, Guo Jinhe, Zhang Songhua, Lin Dong, Jia Yuepeng, Luo Kaiyong, Yan Hua, Yang Yuanshun, Wu Jinsong, Chen Jinchun, Li Danjie, Huang Liuxiong, Ma Ansheng, Chen Su, He Ming, Liu Chang, Gong Jing, Chen Baodong, Lu Shihong, Zhou Jiaxiang, Han Jun, Zhang Yi, Song Wei, Zhang Jiancai, Ning Jungong, Bu Wenping, Jin Wangang

Director: Zuo Xingkai Vice Director: Guo Feihong Editor-in-Chief: Niu Jingmin Vice Editor-in-Chief: Jin Wangang Editor-in-Charge: Zhang Yu

Responsible Department: China Petrochemical

Corporation (SINOPEC)

Sponsor: SINOPEC Sales Company

Publisher: Editorial Office of Oil Depots and Oil

Stations

Distributor (**Domestic**): Editorial Office of Oil Depots and Oil Stations

Address: Building No. 12, Jinganli, Chaoyang

District, Beijing Postcode: 100028

Tel: (010) 64618538 Fax: (010) 64668601

E-mail: sykjyz@sina. com

Distributor (Abroad): China National Publication Import & Export Corporation

Printer: Guang Da Printing Plant of Langfang
Address: No. 4, Guangming Dongdao Ave Langfang

Postcode: 065000 ISSN 1008—2263 CN11—3945/TE

No. of Ad. License: 0135, Chaoyang District,

Beijing

Domestic Price: RMB60 per year

Copyright gor all originally published reports.

Contents and Abstracts

OPERATION MANAGEMENT

Analysis on Service Quality Gap in Gas Stations. Zhang Yuan.

Abstract: TBZW Based on the gap model of service quality, combining the features of gas station service, the index system for evaluating service quality in gas station was established. Taking 50 representative gas stations under ZH Petroleum Company as the research object, the service quality was analyzed completely by the means of market investigation. The detailed service quality gap of the various aspects in gas stations was found out and the advice for improvement was proposed.

Keywords: gas station, service quality, gap analysis.

4. The Issue on Oil Product Distribution Optimization under Restrained Conditions. Yang Yongqin.

Abstract: In order to realize maximum profits with minimum logistics cost, the optimized distribution of oil product when the oil product sales, oil tank vehicle load and the tank volume for single product matched well was introduced. The optimization of distribution in imperfect condition was investigated; the distribution options for the insufficient tank volume and distribution mismatch were presented.

Keyword: oil product distribution, distribution batch, vehicle match, optimization, condition restriction.

SAFETY MANAGEMENT

7. Find Hidden Danger, Emphasize Management, Promote Effect, Construct Long Term Mechanism of Safe Production. SINOPEC Jiangxi Oil Products Company.

Keyword: oil products company, hidden danger management, safe production, long term mechanism.

10. The Hazards of Typhoon to Coastal Petroleum Enterprise and Countermeasures. Lu Xinchun.

Abstract: The hazards of typhoon were introduced, and the hazards and risk caused by typhoon to coastal petroleum enterprise were analyzed through typical cases, the countermeasures were proposed as well.

Keyword: petroleum enterprise, typhoon, hazard analysis, countermeasure.

12. Discussion on the Issues of Emergency Plan in Gas Station. Hu Yiping.

Abstract: According to the actual status of gas stations and the problems existing in the emergency plans founded in the gas stations examination, for example, the emergency plans were all the same whether the gas station was big or small, the reasons for these problems were analyzed. The establishment of emergency plan, the determination of emergency treating principles, and effectiveness of emergency plan drills were discussed in order to make the establishment of emergency plan more scientific and effective.

Keyword: gas station, emergency plan, problem, discussion.

OUANTITY AND OUALITY MANAGEMENT

 The Control of Foreseeable Oil Mixing in Oil Depot. Liu Zhongwei, Wang Zhihang.

Abstract: The treatment method of oil mixing was introduced. Combining the practical production of oil depot, using the theory research results of oil products blending technology in recent years, taking the blending of 180cst/380cst fuel oils as an example, the mixing results were prejudged, and the mixing section was cut carefully to guarantee that the oil quality was not affected.

Keyword: oil mixing, oil products blending technology, mixed oil cut.

17. Measures to Reduce Petroleum Products Evaporation Loss of Storage Tank. Wang Xuedong.

Abstract: The various types of petroleum products

evaporation loss in storage tank were introduced. Considering the reasons causing petroleum products evaporation loss, the appropriate measures to reduce loss were introduced from the aspects of technology and operation.

Keyword: storage tank, petroleum products, evaporation loss, loss – reducing measure.

SAFETY TECHNOLOGIES

20. Formation Principles of Electrostatic Disaster in Gas Station and Prevention Measures. Lü Li.

Abstract: The formation principles of electrostatic disaster in gas station were analyzed from two aspects of accumulation and discharge of static electricity, and the conditions for forming electrostatic disaster were presented. The prevention measures to electrostatic disaster in gas station were proposed.

Keyword: gas station, electrostatic disaster, prevention measure.

23. Experiences on Fire Protection Design of Oil Depot. Luo Zhihong.

Abstract: The problems existed in the oil depot fire protection design, completion acceptance, fire fighting supervision and inspection, and fire – fighting drilling were analyzed and reviewed, and some advices for completing "Oil Depot Design Specification" were proposed.

Keyword: oil depot, fire protection design, advice. **STORAGE TECHNOLOGIES**

25. The Construction of Uniform Communication Platform for Petroleum and Petrochemical Sales Enterprises. Shen Wei.

Abstract: The technical configuration, function features, application mode of uniform communication platform for petroleum and petrochemical sales enterprises were discussed. Using the existing data communication resource to construct uniform communication platform could improve working efficiency and provide appreciation service by the technology method in the future.

Keyword: sales enterprise, uniform communication platform, construction.

29. Calculation on Electromagnetic Interference of

Electrified Railway to Oil and Gas Pipeline and Prevention Measure. Zhang Xiaoyue.

Abstract: As a special type of asymmetric high voltage transmission line, traction power supply system could bring electromagnetic interference to oil and gas pipeline and depot near the electrified railway by resistance coupling, which endanger the safety of equipment and human and disturb the normal operation of equipments. The traction power supply system of electrified railway was introduced, and the expressions for the resistance coupling potential of electrified railway to oil and gas pipeline were obtained. The prevention measures to reduce electromagnetic interference of electrified railway to oil and gas pipeline and measures to prevent electric spark of special line of oil depot railway in electrified section were presented from the aspects of electrified railway and oil and gas pipeline.

Keyword: traction power supply system, resistance coupling, electromagnetic interference, electromagnetic protection, current drainage.

32. Analysis on Corrosion of Steel Oil Tank and Prevention Measures. Mao Xiaobing.

Abstract: The positions subject to corrosion and various corrosion forms of steel oil tank were analyzed. The protecting measures such as cathode protection by sacrificing anodes, coating protection and proper addition of corrosion inhibitor were introduced.

Keyword: steel oil tank, corrosion, protecting measure.

35. Comparison of Technical Options of Secondary CNG Refueling Station. Lao Jinghua, Ming Xiao-jiang.

Abstract: The current two refueling processes of secondary CNG refueling stations, i. e. compressor pressurization refueling and hydraulic pressurization refueling were introduced. The process flow, main equipments, and technical features of the above – mentioned two options were introduced, and the technical options were compared which concluded that hydraulic pressurization refu-

eling process should be preferentially considered when constructing CNG refueling station.

Keyword: secondary CNG refueling station, technical option, comparison, recommendation.

 The Opportunity for Ventilation and Dehumidification in Oil Cave Depot. Yu Yicai.

Abstract: The reasons causing humidity in oil cave depot were introduced, the variation law of humidity was analyzed, and the opportunities for ventilation and dehumidification were concluded that ventilation should be avoided as possible when the temperature outside higher than inside, ventilation should be carried out completely when the temperature outside lower than inside, and ventilation should be carried out courageously when the temperature outside lower than the dew — point temperature inside.

Keyword: oil cave depot, ventilation and dehumidification, opportunity.

ENVIRONMENT PROTECTION

40. The Problems in Oil Vapor Recovery from Gas Station and Countermeasures. Zhu Chao, Li Qinhua, Wu Chao, Qin Yong.

Abstract: The oil vapor recovery systems of domestic gas stations were introduced briefly, and the existing problems were pointed out, the solutions were presented as well.

Keyword: gas station, oil vapor recovery, solution. 42. Analysis on the Effect of Gasoline Quality Standard on Pollutant Emission Standard. Liao Guanghua.

Abstract: The quality of oil product is the important factors affecting vehicle exhaust emissions, the reduction of the contents of sulfur, olefin, metals etc. can decrease all the kinds of pollutant emissions in vehicle exhaust. Therefore, in order to meet the requirements of national automobile emission standards, the standard of gasoline quality should be increased in advance.

Keyword: gasoline, quality standard, pollutant, emission standard.