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320 室

邮编:100022

电话:(010)67006041;67006042

传真:(010)67006043

E-mail:sykjyz@vip.sina.com

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**Key words:** gas station, double - layer tank, anti - seepage tank + single - layer tank, construction, comparison, analysis.

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**Key words:** oil product, pipeline, pigging, waste oil, treatment, technology.

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**Key words:** oil product, pipeline, transportation, excess loss, causes, analysis, countermeasures.

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**Key words:** gas station, informatization, video recognition technology, expansion, digital intelligence technology, application, practice.

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**Key words:** gas station, oil unloading, volatile organic compounds (VOCs), emission, control.

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**Key words:** oil product, market, rectification, fake and inferior, oil sample, detection, analysis, suggestions.

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**Key words:** diesel, nitrate, cetane number, improver, detection, method, research.

24 Evaluation of Uncertainty in Measurement of Cetane Number of Diesel Fuel by Air Volume Method. Cao Xingzhi.

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**Key words:** airflow method, determination, diesel, cetane number, uncertainty, method, evaluation.

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28 The Problems and Countermeasures of Intrinsic Safety of Petrochemical Enterprises. Jia Wenli

**Abstract:** On the basis of pointing out the problems existing in the intrinsic safety of petrochemical enter-



prises, such as lax management, weak “three basic” work, inadequate professional management, and poor risk management and control, the corresponding countermeasures to improve the intrinsic safety of petrochemical enterprises are put forward. In the aspect of improving the intrinsic safety of management, the first is to adhere to the sense of leadership to play the role of the leadership core to promote; the second is to adhere to the decomposition at all levels to effectively implement the post blame; the third is to adhere to the grid management, technical specialization, site standardization and behavior standardization to compact the safety responsibilities of all staff; the fourth is to adhere to double prevention to control risks throughout the process; the fifth is to adhere to prevention and control at the source to strictly control the risks of construction projects; the sixth is to adhere to strict management of cultivate high – quality contractors. In terms of improving the intrinsic safety of personnel, the first is to strengthen personnel and create a strong safety management line; the second is accurate training to improve personnel quality; the third is strict and meticulous management and control of personnel operation risk; the fourth is to adhere to the “135” treatment and strengthen the construction of emergency response capacity. In terms of intrinsic safety of lifting device; the first is the intrinsic safety of lifting equipment; the second is to strengthen the continuous compliance inspection and rectification; the third is strict and stable process management; and the fourth is to promote the construction of informatization, digitalization and intelligence.

**Key words:** petrochemical, enterprise, intrinsic safety, problems, countermeasures.

35 Application of Information Technology in “Three Basic” Management of Oil Sales Enterprises. Tan Fei.

**Abstract:** Taking SINOPEC Jiangxi Oil Product Company as an example, the importance of the “three basic” work of grass – roots construction, basic work and basic skill training in the safety management of petrochemical enterprises is introduced, and the problems existing in the “three basic” management in the safety management are pointed out that the grass – roots team construction cannot meet the needs of enterprise reform and development, the basic work cannot meet the needs of the operation of the enterprise HSE management system, and the basic skill training of employees cannot meet the needs of high – quality development of enterprises. The idea of improving the “three basic” management with information technology are put forward, such as promoting the implementation of the post responsibility system of all staff and strengthening the construction of grass – roots teams, promoting the implementation of grass – roots work and strengthening the construction of “three standards” at the grass – roots level, and promoting the implementation of basic skills training and strengthening the skills and literacy of grass – roots employees. The contents and effects of information technology to improve the “three bases” management are introduced in detail, such as carrying out safety management informatization to build a comprehensive HSE management evaluation system, deepening the HSE rating system to promote the implementation of the o-

verall responsibility system, establishing a risk early warning information system to strengthen the standardized operation of grass – roots on – site staff, increasing the use of equipment maintenance platform to improve the serviceability rate of equipment at the grass – roots level, and applying 3D simulation system to carry out skill training for employees.

**Key words:** oil sales enterprises, “three basic” management, safety management, problems, informatization, technology, application.

38 Discussion on Improving the Emergency Support Function of Integrated Energy Station. Shi Yonghui, He Wei.

**Abstract:** Through thinking about the role of the integrated energy station of SINOPEC Inner Mongolia Hohhot Oil Product Company in emergency support during the COVID – 19, according to relevant laws and regulations such as the “Emergency Response Law” of the People’s Republic of China and relevant theories on accident causes, and on the basis of pointing out that the integrated energy station has a complete safety management system, natural geographical advantages and hardware conditions for emergency support, the possibility and plan of integrating the integrated energy station into the urban comprehensive disaster prevention system are put forward, viz., taking the initiative to integrate into the government emergency disaster prevention system to standardize the organizational behavior, improving the function of integrated energy station, improving the material allocation of the comprehensive energy station, giving full play to the role of contactless APP functions such as “one button refueling” and “one button to car”, and improving the emergency plan of the integrated energy station, which can provide a reference for the integrated energy station to be included in the urban emergency security system.

**Key words:** improvement, integration, energy station, emergency, guarantee, function, discussion.

## OPERATION MANAGEMENT

41 Exploration and Practice of Adjustment and Optimization of the System of Oil Product Sales Enterprise. Fan Yue, Sun Meng.

**Abstract:** In view of the problems of a certain oil product sales enterprise, such as the untimely dynamic updating of the system, the obsolete and outdated provisions of some systems, the need to improve the standardization, integrity and progressiveness of the system, the division of the system by departments and blocks, the weak integration, and the untimely undertaking of the group company’s system, the optimization and adjustment of the system were carried out. The main approaches are as follows: The first is to set goals for problems; the second is to clarify the train of thought by comparing the objectives; the third is to establish institutions to promote implementation; the fourth is to take multiple measures and implement them in a standardized manner. Remarkable achievements have been made in the adjustment and optimization of enterprise systems, which can provide a reference for the adjustment and optimization of relevant enterprise systems.

**Key words:** oil sales enterprise, system, adjustment, optimization, exploration, practice.