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SHIYOUKU YU JIAYOUZHAN

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Contents and Abstracts

Abstract: The definitions of "minimum daily average temperature" and "annual minimum daily average temperature" involved in relevant specifications such as "Code for design of oil depot (GB 50074 - 2014)", "Code for design of vertical cylindrical welded steel oil tanks (GB 50341 - 2014)", "Petrochemical design specification for vertical cylindrical steel welded storage tanks (SH/T 3046)", and "Code for thermal design of civil building (GB/T 50176 - 2016)" are analyzed, compared and discussed. The consistency of the two definitions is put forward, and it is suggested that the two concepts should be unified in the revision of relevant specifications in the future.
Key words: oil depot, specification, minimum daily average temperature, definition, discussion, suggestion.

Abstract: Taking the geological disaster landslide during the support construction of high and steep slope of a new gas station as an example, combined with the site geological conditions, original design scheme, construction conditions and slope monitoring results, it is analyzed that the main causes of landslide geological disasters are that the survey results fail to fully reflect the real slope geological conditions, the design anchoring force is insufficient and the construction procedures is disordered. The measures of reinvestigation, design and construction are put forward, which can provide a reference for the design, construction and related theoretical research of high and steep slope support engineering under similar complex geological conditions.
Key words: gas station, construction, site, high and steep slope, landslide, response, measures.

Abstract: It is pointed out that the main factors of oil and gas pipeline corrosion are chemical corrosion, microbial corrosion and electrochemical corrosion. The main anti-corrosion methods of oil and gas pipeline, such as cathodic protection, use of corrosion inhibitor, shrink sleeve, winding tape anti-corrosion, electrochemical technology and coating protection, are briefly introduced. The application progress of laser and plasma cladding technology in oil and gas pipeline anti-corrosion is summarized respectively, which can provide a reference for the anti-corrosion of oil and gas pipelines.

changes slightly. This relationship reflects that when the temperature is relatively low, the change of temperature has little effect on the conductivity, and vice versa. (3) The measured conductivity of No. 3 jet fuel with antistatic additive at different temperatures conforms to the typical range of jet fuel conductivity and temperature change in literature, and the slope and intercept can be calculated as long as the conductivity at two temperature points are measured randomly, so as to establish a linear relationship. Based on the conductivity measured at any temperature in the field, the conductivity value at temperature of 20 ℃ can be deduced. (4) Understanding the relationship between conductivity and temperature of No. 3 jet fuel can immediately convert the measured conductivity of jet fuel transported by field pipeline into the conductivity value at standard temperature (20 ℃), which can be used to judge whether the conductivity of the fuel is qualified in time. (5) According to the relationship between conductivity and temperature, an on-line conductivity detection instrument can be developed to quickly determine the conductivity of jet fuel.

Key words: field, pipeline, No. 3 jet fuel, conductivity, temperature, relationship, research.

SAFETY MANAGEMENT

Abstract: Taking the safety management of refueling station of a company as an example, based on the "game theory" compiled by Drew Fudenberg et al., by establishing a "supervisory game" model, the anti-violation operation of the refueling station is analyzed from the perspective of operators and supervisors, and on-site anti-violation measures are put forward, such as, guiding demonstration by leaders, strict understanding the bottom line of work according to the system and criterion, improving education and training, strict assessment and discipline, and implementation of video monitoring of all staff and all departments to ensure the safe operation of refueling stations.

Key words: refueling station, game theory, safety, supervision, anti-violation, measures.

Abstract: Taking a waterfront gas station as an example, the application practice of the dual prevention mechanism of safety risk hierarchical control and hidden danger investigation and treatment written in the new version of "work safety law" is described in detail, and the construction of dual prevention mechanism is introduced from the aspects of establishing system norms, determining post responsibilities, clarifying work procedures, establishing organizations, carrying out special training, and perfecting assessment mechanism. The application practice of the dual prevention mechanism in waterfront gas stations is introduced from the aspects of risk identification, risk evaluation, risk control, risk monitoring, hidden danger investigation and hidden danger treatment. The problems of integration with the original system and lack of unified standards in the application of dual prevention mechanism in waterfront gas stations are pointed out, and the corresponding countermeasures are put forward, which can provide a reference for the application of dual prevention mechanism in waterfront gas stations.

Key words: safety risk hierarchical control, hidden danger investigation and treatment, dual prevention mechanism, waterfront gas station, application.

OPERATION MANAGEMENT

Abstract: It is pointed out that the construction of multi-dimensional market analysis system of oil product market should be strengthened from the aspects of international crude oil market change, macroeconomic trend and oil product market situation, and the business strategy of optimizing oil product in advance by using the results of multi-dimensional market analysis is put forward: the first is to pay attention to the international oil price and judge the trend of oil product market in advance; the second is to pay attention to the changes in the external procurement market and adjust the strategy of oil product procurement in advance; the third is to pay attention to the benefit calculation of raw material product structure of oil refining enterprises and study and judge the resource supply trend in advance; the fourth is to pay attention to the information of emerging and tendentious demand changes, and adjust the business strategy in advance.

Key words: oil product, market, analysis, advance, formulation, operation, strategy.

Abstract: In view of the fact that the image standard of SINOPEC gas station, which has been implemented for more than ten years, is no longer suitable for the development situation of enterprises trying to build comprehensive refueling station covering "oil, gas, hydrogen, electricity and service", the image standard of SINOPEC comprehensive refueling station is designed. The concept, design principles and design objectives of the image design of SINOPEC comprehensive refueling station is introduced. The main contents of the image design of the comprehensive refueling station are described in detail from the aspects of cornice logo, brand column, fuel island modeling, auxiliary facilities in the station and internal and external design of the convenience store, which lays a foundation for SINOPEC to build a new "oil, gas, hydrogen, electricity and service" comprehensive refueling station.

Key words: SINOPEC, comprehensive, refueling station, image, design.

Abstract: Based on the brief introduction of the meaning and characteristics of X Power 98 brand gasoline and the significance of promoting X Power 98 brand gasoline, the marketing experience of SINOPEC Beijing Oil Product Company in promoting X Power 98 brand gasoline is introduced in detail: the first is to actively plan the overall situation and optimize the network layout; the second is to carry out a series of theme marketing; the third is to strengthen publicity through multiple channels to improve the reach rate of activities; the fourth is to strengthen target management, stimulate internal promotion power, and achieve remarkable results in marketing activities. At the same time, the further promotion and marketing of X Power 98 brand gasoline in the future is prospected.

Key words: X Power 98, brand, gasoline, promotion, marketing, practice, effectiveness.

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