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AN EFFECTIVE PATH OF ON-SITE SAFETY MANAGEMENT FOR A GENERAL ACCIDENT REFLECTION

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Abstract: An in-depth and systematic analysis of a common general logistics operation accident based on the behaviors of the relevant personnel and the results of the behavior. Aiming to reflect the dynamic process of how the on-site dangerous operation increase the probability of the accident to the occurrence of the accident, as well as how these behaviors are reflected the problems existing in enterprise operation safety supervision, safety education and training, etc.. It summarizes an effective method of how to transfer the on-site safety operation from a disordered situation to an ordered model by self-discipline, mutual discipline and other discipline.

Key words: Common; General accidents; Mapping; Field operations; Out of control and order

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RESEARCH ON METRO LIFE CYCLE RISK ASSESSMENT AND SAFETY MANAGEMENT BASED ON DISTRIBUTED OPTICAL FIBER SENSING MONITORING SYSTEM

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Abstract: Subway construction often passes through a large number of existing buildings and various poor geological stratums, which has an adverse impact on the safety of subway construction and operation. With the rapid development of modern monitoring technology and information technology, comprehensive and integrated design should be carried out for the construction monitoring and health monitoring during the life cycle of the subway, so as to realize the intelligent safety management in the whole life cycle of the subway. In this work, according to the feedback data from the distributed optical fiber monitoring system, engineering geology, surrounding environment and other influence factors, a set of analysis method to accurately identify the construction risk and determine the location of structural diseases is put forward by analyzing and predicting the spatiotemporal variation law of subway engineering, and the risk classification standard is formulated according to the principle of "division, classification and grading". Finally, the integrated risk classification management and control procedure of subway engineering is established, so that the technical personnel can take the refined risk control measures timely according to the structure status of the subway. Therefore, it is of great practical significance and application value for the safety management of Metro life cycle to use modern monitoring means to accurately evaluate the structural state of the subway and formulate an efficient safety management system.

Key Words: Optical fiber sensing monitoring, Metro life cycle, Risk assessment, Risk classification management and control, Intelligent safety management

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CURRENT DIRECTIONS FOR THE DEVELOPMENT OF PASSENGER RAIL TRANSPORTATION LOGISTICS

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The logistics of passenger transportation by rail began to develop actively in the 19th century. The need for it began to manifest itself with the development of intercontinental passenger traffic. With the advent of rail transport and the needs of various types of passenger services, the implementation of simple