

## Safety Production Management

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### Abstract

As with the booming development of the economy, the production scales expand continuously, and the production processes adopt a lot of new technologies and new materials. We are glad to see that a lot of new technologies are adopted and applied in the production. Because the management can't keep up with the expansion of the scale of the new technology, they do not have adequate understanding of the security features of new materials and new technologies, and they unilaterally pursue economic benefits, thus the production accidents always occur. The fire, the explosion, the plane crash, the chemical and nuclear leakage accidents and so on seriously threaten the safety and the health of human beings. The accidents not only cause economic losses, but also leave shadow and trauma to the mind of human a long time. The safety accidents leave a heavy baggage and unstable factors to the personal, the family and the society. There are three measures to control the accidents, namely technology, management and education, while the management is crucial and it is also the most important measure.

**Key words:** Safety; Management; Production

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## INTRODUCTION

### (A) Research Significance

As part of economic activity, safety management is an important component of economic management, and it is

also an important branch of safety science. The so-called safety management is activity of the use of effective resources and the implementation of people's wisdom and efforts to make decision, plan, organize and control, and it aimed at the safety problems in the production process. It is to achieve the harmony among human and machine equipment, materials, and environment in production process, and achieve safe production goals.

In the market economy condition, the quality of the production and operation of an enterprise and the market share of its products ultimately depend on the operation and management level and the content of science and technology. The enterprise safety management, as an important guarantee of achieving business goals and increasing the economic efficiency of enterprises, also has very important significance. If the safety management could be operated well and accidents occur frequently, it not only seriously affects workers' safety, health and enthusiasm for production, resulting in adverse social impact, but also causes the great consumption of human, material and financial resources, bringing unnecessary economic losses. Therefore, after numerous throes of safety management, its importance has been growingly understood and people have reached consensus. This article has an important significance to the safety management.

### (B) Research Purpose

The most fundamental purpose of safety production management is to protect human life and health, protect production materials, protect property from damage, it is the most fundamental requirements to corporate design; it is also to protect the social productive forces to enable the normal production and to achieve protection of the relations of production, so that the legitimate interests of the shareholders can not be violated, which is an important content of safety management. Safety production management focuses on enterprises, it aims at full implementation of safe production responsibility system at various levels, it asks to learn and publicize safety laws and regulations, to popularize knowledge of production safety,

and to strengthen business leadership and the staff's legal concept of safety awareness. The objectives are to eliminate potential accidents around and to achieve the purpose of accident prevention. By studying this paper, people will understand the significance of safety management, but also understand the current status of safety management in China's enterprises, it is helpful to find out the hidden dangers and then put forward to solve these problems, and find measures to improve safety management.

## **1. THE SIGNIFICANCE OF SAFETY PRODUCTION MANAGEMENT**

The so-called "safety production" refers to appropriate accident prevention and control measures that have been adopted in the production and business activities in order to avoid personal injury and property, and the purpose is to ensure the safety of employees and ensure smooth production and business activities could be carried out. The "production" in "safety production" is a broad concept, including not only the production activities of a variety of products, but also business activities of various types of construction and commerce, entertainment and other services. Safety management, as a part of economic activity, is an important component of economic management, is an important branch of safety science. It has great significance, for society, it is related to social stability, because our society is composed of lots of small families. If a family member becomes disabled or died for the accidents in production, it will be devastate this family, an employee's injury or death will cause great loses to his parent and his wife and children, inflicting great losses trauma, and thus it will bring to unstable factors society. Strengthening production safety management is the sacred mission for the society, and it has great practical and far-reaching significance for human progress and social development. People must do a good job of production safety management and this part can not be taken lightly.

## **2. CURRENT STATUS OF ENTERPRISES' SAFETY MANAGEMENT**

As an important part of China's sustainable development strategy, safety management, both reflects on the protection of social productive forces, but also emphasizes the protection of workers, which is an eternal topic of seeking development. Nowadays, with the deepening of the reform, enterprises are also experiencing change from the original single-planned economy to market economy. In this reborn change, for their own survival and development, enterprises have adopted a series of effective internal restructuring, including potential synergies, laid-off distribution, and institution merger, its purpose is to better meet the challenges of the market economy. However, in the process of implementation of a series of corporate

restructuring, due to various objective and subjective factors, and the complementary measures can not be put in place as soon as possible, it has brought varying degrees of impact to the safety management operation.

If enterprises want to implement effective safety production, they must combine administrative measures, science and technology and modern safety management methods together organically. From the perspective of the current status of enterprise's safety management, it can be summarized in three words, namely, achievements are great, problems are many, and effect is not satisfied. The so-called great achievements refers to that through years of tireless efforts and practice an enterprise has accumulated a set of scientific management experience in the grasp of safety management; many problems refers to safety management work can not keep the current needs of enterprises' development, employee's safety awareness is not strong, there are lots of "three violations" phenomenon, hidden rectification can not be effectively achieved, and unsatisfied effect mainly refers to the situation that the various types of light injury accidents continue to occur. In 1999, the death toll reached 10,361 in China, the injured reached 3858, the death toll only in Jiyuan City's industrial enterprise reached more than 50 people, and the injured reached more than 40, and the minor injuries were abound. It explained the safety situation is still very grim, and it is not optimistic. The frequent occurrence of the accident has given us a wake-up call, safety issues have undermined the enterprises' normal production, which requires us to take immediate and effective measures in safety management, and increase investment to eliminate all kinds of accidents, achieving safe production.

## **3. MEASURES TO IMPROVE SAFETY PRODUCTION MANAGEMENT**

Safety production work is a complicated systematic project that requires the use of safety systems engineering theory, ways and means to effectively control the basic factors like the quality of personnel, equipment and management that affect the safety of the production, so as to achieve "controllable and in control". Safety management level can be improved through direct and indirect practice. Indirect practice refers to the acquisition of management knowledge through the learning of theories, norms, and standards. Therefore it is essential that we master the basic professional knowledge, the basic knowledge of science and rules and regulations formed through experience of success and lessons of failure, put the successful stories and conducts into practice. For example, we can implement HSE in enterprise security management, conduct job hazard investigation, improve safety evaluation, employ ABC management method and principles of systems engineering, etc.. Direct practice

refers to the process of experience acquisition from the accident experience and lessons. Accidents are the punishment for the violation of the objective laws; the most impartial examination of our conducts and the most authentic scientific practice that we have to accept. We must attach great importance to the investigation and handling of accidents, identify causes of the accident and prevent similar accidents. We must also do statistical analysis of the accidents properly, grasp the laws of the accident, in order to guide the management of production safety, improve safety management level.

### 3.1 The Establishment of Complete Safety Supervision and Inspection System

The Establishment and perfection of safety supervision and inspection system is an important means to implement and carry out national labor protection laws and decrees and protect the safety and health of workers. It plays an important part in promoting working conditions, eliminating the risks and promoting safety production as well as an important content and basic system that constitute enterprise security management methods. How to steadfastly persevere safety inspection system is a prominent problem placed in front of each enterprise. Security checks on the implementation of the current business case, there are still many shortcomings, specific performance.

(1) Business leaders can not seriously organize safety checks, safety checks during the formation cursory, perfunctory.

(2) Inspection personnel lack the necessary expertise in the production process, equipment and facilities are not familiar with, it is difficult to find and identify hazards.

(3) Check the mere formality, will be a good check in advance the date and check the items after the inspection, remains the same.

(4) Grassroots self-examination is not required for safety. For example: the safety of weekly inspection workshop, the workshop director shall be led, organize relevant personnel to participate, in fact, many units are still security staff do it, not even to check with imagination work, doing word games.

(5) Check the unscientific, it is difficult to play a role in promoting the security check, you must check each inspection required leadership, check management, site investigation, discipline and other aspects of the investigation, but in fact it is hard to do so.

(6) For the inspection found all kinds of pitfalls and issues that often can not achieve timely and effective corrective, forming push lure passing, pass the buck, last checked out of the question still remains the same and so on until the next inspection. Checks are necessary to ensure safety in production means, through checks to achieve the elimination of hazards, to achieve safe production purposes. Therefore, check out the problem, there must be planned and positive to be addressed; for checking out all kinds of risks, should be in accordance with the division of production safety responsibility

system for rectification, the spirit of “three four do not push” the principle of graded responsibility, truly an accident nipped in the bud, to effectively play for the enterprise production safety inspection purposes escort.

### 3.2 The Establishment of Perfect Safety Education System

In the final analysis, safety education is the human consciousness education, it's a very important means and specific content in strengthen enterprises safety management. How much safety education inputs, the effect is directly related to the business normal safety production order, its role can not be underestimated. Now, with the further expansion of enterprise scale and the transformation of operational mechanism, more obvious safety education lag far from meeting the needs of the situation. From the recent accidents, the vast majority of accidents are related to workers' safety awareness is not strong, illegal operations and it also closely related to violation of discipline. After careful analysis it all belongs to man-made factors. Therefore, strengthen safety education is imminently, imperative. At present, there are still many unsatisfactory areas in enterprises security education, mainly has the following points:

(1) Safety ideological education is not enough, resulting in employee do not have strong sense of security.

(2) Continue to improve working conditions, and take security technology and industrial hygiene technical measures actively. This is to eliminate the unsafety, unhealthy factors and effective measures to ensure safety in production.

Labor conditions directly affect the safety and health of workers. Currently, companies have done a lot of effort in increase investment in environmental protection, although, there are still some problems to be solved very imminently, manifested in:

(1) Although the facilities are all in readiness, because the management is not in place or to reduce costs, the facilities do not open or the efficiency is not high.

(2) Environmental protection facilities are unenforceable, it often opens when checks and it will off when not check. Resulting in job environmental degradation, poor working conditions because of not properly utilized.

(3) Environmental protection facilities can not recovery timely after the failure of breakdown.

Leaders at all levels are not really referred to the agenda of working environment to create a good production. How to improve working conditions? Fundamental way to improve labor conditions are constantly adopting new technology, new equipment, new technology, to realize the mechanization and automation, electronic of production process and with the support of environmental protection facilities. Only in this way, the production of unsafe, unhealthy factors can be completely eliminated or greatly reduced, so as to effectively prevent

accidents and ensure the safety and health of workers, reducing the incidence of occupational diseases.

In summary, the current enterprise security problems in production is that safety management can not adapt to the new changing situation market economy ,lacking of strict and effective management practices. This requires that we must make great efforts to increase human, financial, and material inputs, to adapt to the market economy of security management, to explore a new model of security management, new experiences. Combined with the actual business, and strive to improve the safety management quality of managers at all levels, pay close attention to the implementation of safe production responsibility system, carry out strict management by objectives, do a good job on safety education and safety checks, constantly transforming backward equipment and production technology, And make the safety management into a track of virtuous circle as soon as possible to ensure that enterprises remain invincible tide in the fierce market competition.

### **3.3 The Implementation of Safety Production Responsibility System, Especially the First Safety Person Liable**

Safety production responsibility system is to the important organizational measures improve the safety work. It has been proven by many years' experience that if safety production responsibility system can be implemented well, the safety situation is good, otherwise the situation is bad. In order to implement the safety production responsibility system well, responsibilities, rights and interests of officers and departments at all levels should be clearly defined, if the responsibilities, rights and benefits are unclear, it is difficult to implement the responsibility system. With the method of signing safety production liability statement at all levels of staff and units, safety production responsibility can be gradually implemented, and managers can find out who is to blame according to responsibility and accountability requirements. The implementation of safety production responsibility of the main person in charge of production safety is an important prerequisite to improve the enterprise's safety production.

Production units should not only establish production safety responsibility system, but also they should establish and improve the one of the main person in charge of production safety. Through the establishment of safety production responsibility system, the main person in charge of production safety can be implemented. Their responsibility system should be specific and operational. The supervision and restraint mechanisms should also be established, and managers should stimulate workers to play their supervisory role, encouraging employees to supervise the implementation of safe production responsibility system the main person in charge of production safety. The safety production responsibility system evaluation and reward system

should also be created, and there should be regular safety production responsibility system evaluation to assess the implementation of the safety production system of main person in charge of production safety.

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## **CONCLUSION**

Safety management is a very important part for enterprises. If the safety management can not be operated well, it would not only affect the healthy and smooth development of the enterprise, but will also affect social stability. Although we have repeatedly emphasized the importance of safety management, the following questions still exist in the present enterprises. Firstly, safety awareness is strong, there is the prevalence of phenomenon that production is weighted on and safety has been ignored, and they do not follow the "people-oriented" and the "safety and prevention first" philosophy, staff in enterprises are lack of legal concepts and awareness, and they usually evade legal obligations and responsibilities and do not carry out implementation of effective safety education and the safety awareness is very poor. Secondly, it is the low level of safety management and the safety management methods are backward, the safety responsibilities are not clear, and the safety management system has not been well implemented. Thirdly, the macro safety management needs to be further strengthened, and the production safety supervision and management system should be improved, and safety supervision and management mechanism should also be improved and optimized. Facing these problems, in terms of safety production manager, they still have much work that needs to be done. They not only need to grasp the principal contradiction, but also they can not leave the slightest safety risks, from the macro perspective, they need to do the production safety supervision and management work, making the use of legal and administrative means to promote safe production, from the micro perspective, enterprises should be considered as the mainstay, its safety should be guaranteed through a series of safety management activities. In short, the safety management work is significant, and it continues to face arduous tasks long way to go, the way to conduct safe production management to achieve the most reasonable and reliable effect is the issue that is worth constant in-depth probing and discussion for managers.

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## **REFERENCES**

- Kong, Z. P. (2000). A study on the current enterprise security management. *Industrial Safety and Dust Prevention*, 11.
- Kong, Z. P. (2008). A study of the current status of enterprise's safety management. *Security*, 6.
- Li, J. B. (2003). The new development of TQM. *Chinese Quality*, (07).



- Sun, R. M. (2007). A study on the corporate culture introduction and people management philosophy. *Shaanxi Water Conservancy*, (05).
- Wang, D. (2007). A study on the human resource management and corporate culture. *Consumer Guide*, (10).
- Wang, W., & Wang, L. J. (2008). A study on the enterprise's safety. *Security*, 6.
- Wen, B. (2005). A study on the enterprise's cultural construction. *Industrial Safety and Environmental Protection*, 9.
- Yao, L. N. (2007). The relation between Chinese traditional culture "relationship" and corporate management. *Modernization of Shopping Mall*, (02).
- Yao, W. M. (2007). The way to build human resource performance appraisal system for SMEs. *Market Modernization*, (29).
- Zhu, B. L. (2008). Safety management focuses on implement. *Electric Safety Technology*, 18.