

Problems and Measures in the Management of Chemical Safety Production

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Abstract: With the rapid development of our society, chemical products are more and more closely related to the lives of the people. However, due to many factors, different types of safety accidents may occur in the production of chemical enterprises. In order to improve the quality of safety management of chemical enterprises and avoid risk events as much as possible, it is necessary to analyze the problems in the management of chemical safety production and put forward corresponding solutions.

Keywords: Chemical safety production management; Problems; Measures and methods

In fact, the accidents of safety production responsibility occur every year, which not only leads to serious economic losses, but also affects the development of the industry to a certain extent. In order to improve the safety of the production process of chemical enterprises, it is necessary to improve the production management measures to improve the level of safety management and promote the development of the industry.

1 Problems in the management of chemical safety production

1.1 Imperfect system

The chemical production process is complex and there are many hidden dangers. Therefore, it is necessary to formulate the corresponding safety management system, and control the production links according to this to restrict unsafe production behavior and control the unsafe production status, and promote the safety index in the production process to be improved. However, there is no scientific, reasonable, comprehensive and perfect safety management system in the chemical enterprises, and there is no mature safety management system as support. Therefore, the safety management work is difficult to be effectively implemented, which may lead to hidden dangers and even serious consequences in the production process of chemical enterprises^[1].

1.2 Pay no attention to safety production

In the process of production of chemical enterprises, if the relevant personnel pay little attention to safety production, their consciousness of safety production will be difficult to be improved, which will lead to the gradual increase of accident occurrence rate and may cause serious consequences. Therefore, before the production work, relevant staff should be able to learn lessons from previous cases and enhance their own safety awareness and responsibility awareness, Improve each work, and analyze the possible risks in the process of work, and take reasonable measures to avoid risks effectively, so as to minimize the risk occurrence probability.

1.3 Communication is not timely

In the production process, the corresponding communication and communication is necessary, but each work link needs close cooperation from different departments. At present, there are different departments in many enterprises who are in charge of their own affairs, lack of effective cooperation, and the information sharing is not timely or even the information sharing mechanism is not implemented, which makes it difficult to get timely and effective circulation of information in all aspects, It is difficult to implement the safety supervision work comprehensively and effectively.

1.4 Safety facilities are not standardized

If an enterprise wants to improve the level of safety management and promote its substantive role to play, it is not only necessary to implement scientific and reasonable safety management system, but also strengthen the investment in safety production facilities. In this process, advanced and high-end production equipment shall be introduced and detailed training shall be carried out for each relevant staff, Ensure that each staff member can operate correctly and skillfully. However, in fact, many enterprises simply pursue economic benefits, and pay little attention to safety production, so the safety facilities on production site are not standardized, even lack of necessary emergency materials, which leads to a high incidence of safety accidents. In addition, the maintenance work related to high-end equipment is not enough, which is not conducive to the stable operation of the equipment and the extension of service life.

2 Management measures for chemical safety production

2.1 Strengthen safety awareness

In order to strengthen the safety awareness in the production process, the enterprise should actively organize employees to

participate in safety education and training, formulate scientific and reasonable training plans to promote the professional quality, comprehensive quality and safety awareness of employees. At the same time, it is necessary to strengthen the assessment of violations of rules and regulations in the production process, implement the reward and punishment system, encourage the employees to improve their enthusiasm. Changing working attitude and finding out the bad situation in the production process will gradually develop the safety awareness and pay attention to safety production into the work habits of every employee, so as to reduce the hidden danger as possible. Moreover, because of the particularity of chemical industry, it is necessary to ensure that the ideological awareness and actions of the front-line production staff can meet the requirements of safety development. Meanwhile, the programmer is required to fully grasp the management methods of each production link to avoid the emergence of safety risks. The department leaders should also make clear the responsible persons in all aspects in time, To strengthen the safety awareness of all levels of personnel and improve the management level of chemical safety production [2].

2.2 Establish and improve management system

At present, China has promulgated laws and regulations on chemical enterprises, and applied relevant laws and regulations to standardize the production management of chemical enterprises, and required them to strictly abide by the laws and regulations and rules and regulations in production and development, and establish a more detailed safety production management system based on this, In order to ensure the production safety level of the enterprise to be improved. Therefore, it can lay a good foundation for the development of chemical enterprises, and strictly implement the operation specifications and technical requirements, and can find the problems in the production process in time, so as to effectively avoid risks. At the same time, a production supervision group should be established to regularly check and randomly check the quality of raw materials and equipment used in the production process, and effectively improve the production safety level and product quality of chemical enterprises, and then promote the healthy and sustainable development of the enterprises.

2.3 Establish and improve the responsibility system of production safety

With the development of the times, the safety problems in chemical enterprises are becoming more and more obvious. The establishment of standardization and safety production of chemical industry are the important foundation for the sustainable development of chemical industry in China. Therefore, it is necessary for chemical enterprises to build up the responsibility system of safety production and strengthen the business inspection, And make clear the responsibilities of each department in the production work and the responsibilities of each staff in the production process, promote the safety awareness and safety responsibility of relevant personnel to be improved, and strengthen the establishment and improvement of the responsibility system for production safety. In addition, the number of staff and management personnel needs to be increased appropriately to promote the full implementation of safety management [3].

2.4 Improve the professional quality of staff

If the management personnel do not fully understand the importance of safety production, they may have insufficient sense of responsibility and relax vigilance during the work process, which leads to the increase of accident incidence. Therefore, the leaders of the enterprise shall put forward clear provisions on the chemical safety guidelines and formulate comprehensive management plan according to relevant laws, regulations and rules, In order to give full play to the leading role, at the same time, it can promote the effect of safety management work to be improved, and effectively improve the professional quality of staff, so that they fully realize the importance of chemical safety production, and at the same time, in the context of mastering more abundant production skills and management experience, the production efficiency of chemical enterprises can be improved.

3 Conclusion:

According to the above, in the production process, chemical enterprises must ensure the stability and safety of the whole production process, so as to promote the overall safety management level, thus ensuring the safety of the life and property of the employees, and improving the economic benefits of the enterprise, and comprehensively implementing the safety production measures, which may not effectively avoid all risks, But it can reduce the occurrence rate of safety risk to the greatest extent, reduce the loss of enterprises as much as possible, and effectively guarantee the production safety of enterprises and the personal safety of staff.

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