

A Brief Talk on Information and Communication Safety Management of Electric Power Enterprise

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Abstract. With the development of power enterprise informatization, the information and communication security have got more and more attention. With the further development of Henan Company “two transformations”, the information and communication security are facing the new situation and challenges. Aiming at these problems, this paper provides a new management thought which includes developing special action to check and treat of hidden risk, establishing institution ensuring system and regulating safety management process. This method will change passive management into active management and ensure the safety and stable operation of power network.

Introduction

The information and communication security of power enterprise is an important guarantee of safety stable operation of power network. With the further development of Henan Company “two transformations”, the information and communication security are facing the new situation and challenges. At present, the information and communication security management of Henan power enterprise exists some problems, such as extensive management, “motion type” or “fire fighting type” safety management mode, safety regulation system be lack of enforceability, paying more attention to result management while neglecting process management etc. , therefore, information and communication security is facing a serious situation. Combined with the practice experience of Henan power enterprise, this paper sublimates the original safety management concept and puts forward a new idea which can ensure the safety and stable operation of power network from the points of hardware(system construction) and software(enterprise safety management)[1-2].

Development of Special Action To Check And Treat Of Hidden Risk

In recent years, Henan Company has insisted on the safety management concept of “first to win” , changed passive defense into active attack, adopted advance pre-control method, eliminate every hidden trouble which can initiate safety problems. In this action, the company will further strengthen the system construction and responsibility and establish a powerful safety production software. At the same time, print special issues 《Learning and Exchange》 and 《Safety Day Activity Data Assembly》 and distribute them to each basic unit at the safety day. On the homepage of Henan Company, there is the special column named “Safety Day Activity ” which is easy to learn and consult. In order to ensure the learning effect, the company combined with “credit mechanism” training system and listed the “safety month” activity as a focus in quarter learning which is associated with performance appraisal. All of these can promote whole staff to develop the “Safety Month” special learning comprehensively, improve the sense of safety of whole staff [3-4] and lay a foundation for the developing of the special action to check and treat of hidden risk.

Special action to check and treat of hidden risk includes three stages: special action stage, supervision and inspection stage, review and summarization stage. In the end of this action, the inspection team will organize a comprehensive examination to this action of each subsidiary

company. The phenomenon about poor and superficial implementation will be regarded as management violation. As for the neglect or not timely treatment of serious hidden risk and bring about some serious results, the inspection team will investigate the responsibility of the leadership and staff. In order to urge each subsidiary company to develop the special action seriously, the company formulate the special action scheme. During the treatment of hidden risk, the inspection team will inspect the governance without notice to strengthen the safety management, eliminate the accident potential and ensure the successful implementation of annual safety destination.

Construct A Series Of Safety Institution

Construct a perfect suite of institution security system and issue some institutions such as <<Emergency Management Work Regulation>>, <<Electric Power Production Accident Investigate Work Regulation>>, <<Anti-violation Of Regulation Management Regulation>>, <<Safety Responsibility Assessment Methods>>, <<Safety Perform-duty Management Regulation>> to ensure the implementation of safety production requirements[5]. At the same time, the inspection team will develop investigation and research vigorously, conduct supervision and examination on important work, assist in solving practical problems and ensure the steady development of the company safety. Further perfect the safety responsibility system, decompose and implement safety production responsibility purpose, stipulate work purpose, content and requirements clearly, realize strict appraisal in the monthly performance appraisal. Form the “horizontal and vertical” level by level responsibility management network to construct steel structure for special action to check and treat of hidden risk.

Regulate Safety Management Process

In the past few years, Henan company adopted traditional artificial data collection and calculation mode. Production operation staffs at the basic level reported the safety risks factors to the related officials. After arrangement simply, the officials reported the data to information and communication dispatching and monitoring center. After analysis and statistic, the dispatching and monitoring center staff issued the report to each subsidiary company. In this process, there were a mass of manual operation and imperfection and deficiency of emergency management system and static regulation. All of these easy to cause inefficiency of the whole emergency management work, lacking of propulsion, operating not smooth and so on[6].

To solve these problems, Henan company plans to promote the transformation of development form through the comprehensive risk management and internal control. Take the establishment of the more scientific and efficient safety prevention model as the mainline, through putting up the safety risk prevention platform to establish a safety prevention closed loop management mode from risk identifying to the implementation of control measures. This process management is made up of multiple departments and multiple jobs with the coordination of multiple links. The specific business processes include five layers: factor collection, index release, measure registration, the verification and evaluation of measure implementation, check and treat of hidden risk. These five layers have some logic relationships such as from top to bottom, from whole to part, from abstract to concrete. Each link of business processes is transparent to enterprise policymaker, manager and production staff. It will realize the sublimation progressively from risk factors, special index, risk index to control measures and systemic and perspective of safety production management. Form a long-term safety management mechanism and turn into an effective way to solve the current safety management problems.

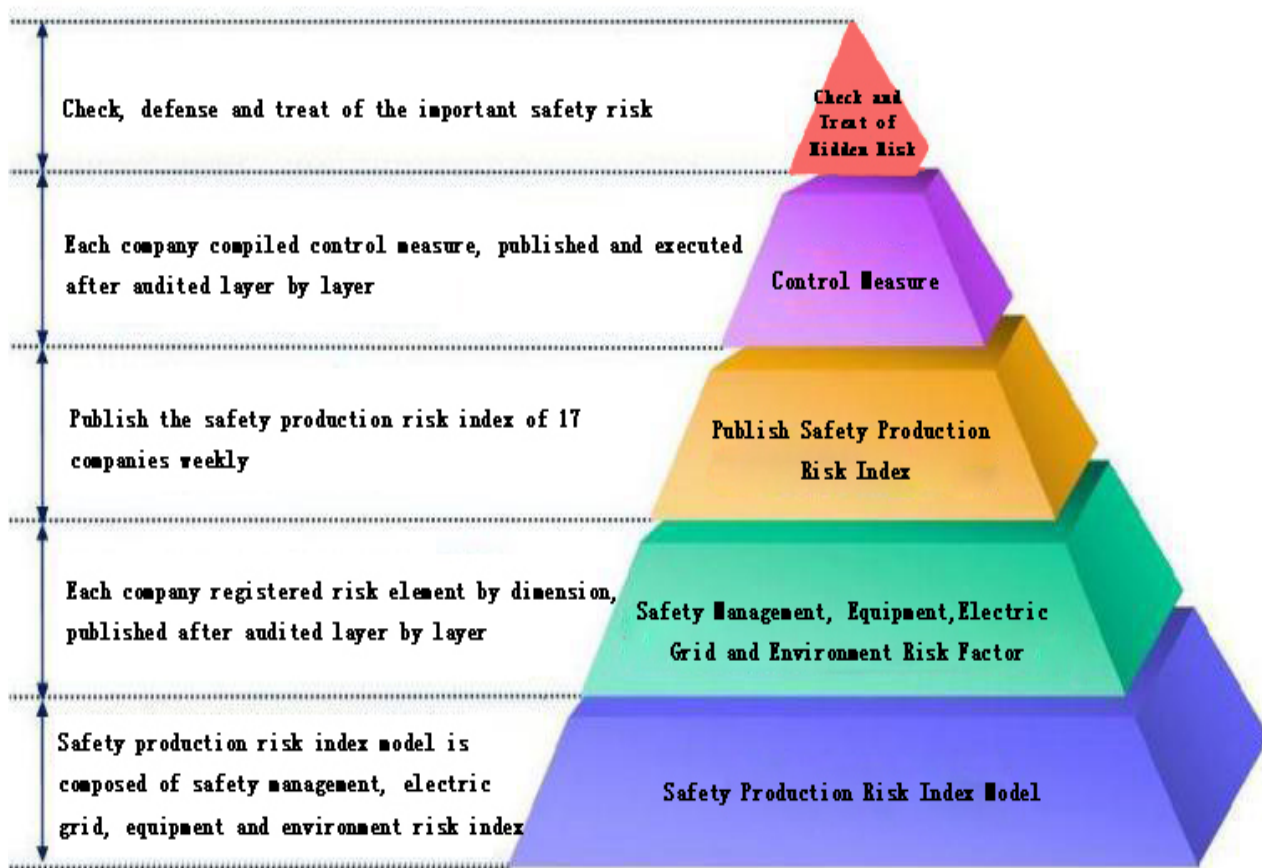


Fig.1. Safety management process model diagram

Conclusion

Due to the electric power enterprises depend on information and communication systems more and more serious, especially with the further advance of “two transformation”, the information and communication safety becomes more and more important. Combined with the practice of Henan Company, this paper expounds the information and communication safety management of the electric power enterprises from develop special action to check and treat of hidden risk, construct a series of safety institution and regulate safety management process. Change passive into active, carding the weakness and hidden risk of each link, each work and each post systematically, strengthen the rectifying and reforming, overall consideration, coordinated advance, improve various safety measures, regulate the behavior of employees, establish a safe and stable environment for each work of the company.

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