

Validity and significance of assessing the competence of employees in the electrical energy system

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Abstract: Currently, the energy sector is growing rapidly. But the electric power industry is one of the most responsible areas. Through this article, mandatory forms of work with employees in the field of electric power and the qualification and principle of work of employees in safe work at power plants are studied and applied.

Keywords: electrical danger, electrical workers, electric current, skills of workers

Electricity is one of the most important industries in the social life of people today and is widely used in consumption. Nowadays, it is difficult to imagine life without electricity. The main sectors of electricity production are HPP, IES, NPP, solar panels and wind generators. Qualified employees work in these branches, because this work is a highly responsible job. For this reason, safety is in the first place in the field of electric power. Due to the fact that electric current poses a serious threat to human life and health, the use of electrical installations and electrical equipment is allowed only by authorized persons. That is why it is very important to train electrical workers who are able to perform high-quality and safe work under voltage. Teaching the basics of electrical safety, including theoretical and practical training of specialists, played the most important role in ensuring safety when working with electrical equipment and electrical structures.

Employees are divided into non-electrical, electrotechnical and electrotechnical, depending on the level of education, work experience and work performed in organizations operating in the energy sector. Persons who are not electricians and electrical workers and who can use household or office equipment during their work have instructions on electrical safety and belong to group I on electrical safety. Also, electrical workers are obliged to undergo an annual medical examination and to

confirm the electrical safety group assigned to them and meet the following requirements.

Electrotechnical workers are required to follow the full safety and labor protection rules when working on these electro-technological and complex energy-saturated equipment and the workers who service the manual electric machines, portable electric tools and lamps. Also, electrical workers are gradually accepted into the following four categories. These are:

1. Managers and specialists who organize technical and operational services for electrical installations

2. Operation, inspection and rapid replacement of electrical equipment, preparation and repair of workplaces for repair and assembly work.

3. Carrying out all types of work on the repair, reconstruction and installation of electrical installations, as well as testing and adjusting protection and automation devices

4. Operation and maintenance, current and capital repair of electrical equipment.

Authorized officials of electric energy organizations are obliged to comply with the requirements set by the employees.

Now we will apply in detail the mandatory forms of work with electrical workers. In order to be promoted to a new position, the employee must complete the following tasks. These are:

First medical examination

Theoretical training implies independent study of normative legal documents and technical documents regulating activities in the field of electric power by the employee.

The internship lasts from 2 to 14 work shifts under the supervision of the employee responsible for the internship, who is appointed by the distribution document. During the internship, the employee learns the requirements of relevant regulatory and legal documents, develops a direction in the workplace, acquires the skills to perform production operations, as well as learn the methods and conditions for the safe and trouble-free operation of the serviced equipment will try Pre-examination preparation and verification of knowledge of the requirements of industrial documents and instructional-technical documents in the field of electric power necessary for employees to perform their duties. Preparation before the exam is carried out in accordance with the programs developed and approved by the organization in time. It is prohibited to accept trainees to perform independent work without passing the knowledge test. Also, the result of the knowledge test is recorded in the relevant report and certificate and recorded in the knowledge test log.

Conclusion

Of course, the role of electrical workers in the field of electric energy is of great importance. For this reason, employees with qualified internships in the energy sector must work and are required to fully understand and comply with safety regulations and pass prescribed examinations. Also, emergency and fire prevention training should be conducted every three and six months by emergency and emergency repair personnel, respectively. Special training should be at least 5 and not more than 20% of the working time and include emergency and fire prevention training, theoretical training on the design and operation of serviceable equipment, and planned production. Includes practice.

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