

## **COMPLEX METHODS OF ECONOMIC AND ECOLOGIC PROTECTION OF POWER GENERATING ENTERPRISE ENVIRONMENTS**

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The scale of anthropogenic impact on the environment in many industrial regions of Ukraine has reached critical values. One of the solutions of the problem mentioned is technological adapting of material and heat traffics of enterprises, functioning within a territorial industrial complex to develop a larger assortment of products and to reduce costs per units on end product with simultaneous decrease of anthropogenic impact on environment.

In connection with increase in manufacture of the electric power and concentration of energy generation capacities, the increasing value is got with problems of local thermal environmental contamination which decision will provide rational use of water, ground and fuel and energy resources. Modern thermal power stations have efficiency of 33-39 %. It means, that than 60 % of made heat there are more is lost with the cooled water. Waste heat with temperature 15-40 °C gets in reservoirs – coolers or dissipates in an atmosphere.

Achievement of powerful positive results of protection of an environment energy generating enterprises probably only in complex use of all material and power streams of the enterprises, creations of without waste manufacture under favorable economic conditions. With this purpose it is necessary to develop in further theoretical and practical aspects of rational use of material and power streams and to investigate technological opportunities of creation of an infrastructure for complex recycling and processing of firm waste products of energy industrial complexes.

Methods of economic and ecologic protection of power generating enterprise environments is to transfer from focused technology for the basic type of products to broadening of a range of the goods due to the complex utilization of material and energy secondary resources.