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AUTOMATED MONITORING SYSTEM OF POLLUTION OF ATMOSPHERIC AIR AND WATER OBJECTS BY ENTERPRISES OF THE CHEMICAL INDUSTRY

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The purpose of the automated monitoring system for water and air pollution (AUTOMATED MONITORING SYSTEM) is to provide environmental services with information on air pollution and support in making management decisions to improve the environmental situation¹. The following elements can be distinguished in the AUTOMATED MONITORING SYSTEM: environmental data (measurement of the concentration of harmful substances); meteorological data (air temperature, wind speed and direction, pressure, humidity); information about the company; sensors for measuring; weather stations; network and terminal equipment; collection point; information processing subsystem; map or terrain map; emission data; operator or decision maker. The main tasks of the AUTOMATED MONITORING SYSTEM include: continuous collection of environmental and meteorological information; recording and storage of information; conversion of information into the most convenient form for analysis; making recommendations for making management decisions. The accumulation of environmental data on the server is carried out using stationary monitoring posts connected to the server through various communication channels. The AUTOMATED MONITORING SYSTEM allows operators to see current environmental information².

Literature:

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