

# MONITORING OF ECOLOGICAL RISK AFFECTING WATER-SUPPLY UNDER EMERGENCY CONDITIONS

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## Abstract

This work presents the method and the models for monitoring of ecological risk affecting water-supply under emergency conditions which would improve the protection of water sources under any conditions, and timely decision making concerning the preservation of healthy water sources.

*The problem of researching* is aimed at the systematic assessment and analyzing of the possibilities of ecological risks affecting water-supply under emergency conditions in order to find out adequate methods for the protection against a risk. The study presents the problems of monitoring of an ecological risk affecting water-supply especially under emergency conditions, involving the development of an information system, for timely decision making for the preservation of healthy water sources as one of the elements of environmental protection. We pointed out that the system of informing and recording of any sources of water and their preservation through a correct monitoring should be made in order to take measures necessary for reducing risks for pollution, and to prepare for water-supply under the most unfavorable conditions.

The study points out that the population, governmental agencies and institutions should be prepared, organized, qualified and equipped for the preemptive and operative actions under emergency in order to prevent the pollution and to perform a suitable water-supply.

**Key words:** monitoring, risk, ecological, water, water-supply, management, emergency conditions, information system, data base, nuclear, chemical and biological attack.