

MUNICIPAL INFRASTRUCTURE: TECHNOGENIC SAFETY IN THE NEW ECONOMIC CONDITIONS

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The assessment of the technical condition of municipal infrastructure of Ukraine is fulfilled. It is proved that the lack of attention to issues of compliance with technogenic safety in the public sector in terms of attracting private operators and the disastrous state of municipal engineering networks and constructions is threatened with extremely dire consequences for the population and environment of the region and the state as a whole. The measures are proposed, the implementation of which will improve the level of technogenic safety of critical infrastructure in the utility sector, in particular:

- the creation of a perfect system of legal regulation in the sphere of ensuring high reliability of engineering networks and communications;
- the optimization of centralized heat supply, water supply and sanitation systems;
- the search for ways of keeping the sanitary protection zones and water protection zones of drinking water sources in the framework of regulatory requirements;
- the construction/modernization of preparation and purification stations of drinking water in settlements where its quality does not meet regulatory requirements;
- the improvement of normative-legal and scientific-technical support in the field of drinking water and drinking water supply, its approach to the standards of the European Union;
- the strengthening of control over the execution by business entities of their functions, aimed at prevention of emergencies through the adoption of measures on reconstruction, modernization and replacement of worn-out equipment in the electricity, local water treatment plants, filtering stations, heating systems, water supply systems and sanitation;

– the forecasting and modelling of potential threats of emergencies in the critical infrastructure;

– the definition and rigorous analysis of the sources of possible emergencies;

– the development of implementation mechanisms of advanced experience, acquired by the European countries, in the field of the protection of critical infrastructure in the public sector;

– the search for ways to ensure the stability of functioning of the potential objects and objects of increased danger in crisis situations and during the special period;

– the development of measures to ensure effective restoration of the functioning of municipal systems in case of unauthorized actions (including terrorist acts);

– the search for ways of reliable information protection on the management of public systems from unauthorized access;

– the development of measures to ensure a high level of operational safety of technological equipment;

– the search for ways of material reserves formation;

– the qualitative certification of structural subdivisions of public facilities that relate to critical infrastructure;

– the qualitative preparation of declarations of potentially dangerous objects and objects of increased danger (on the basis of risks calculations using a probabilistic structural-logical modelling);

– the creation of modern methods and technologies of population and territories protection from emergency situations that may arise in the utilities sector.