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Regulatory and legal support of environmental safety management of atmospheric conditions during emergencies in the context of sustainable development

An analysis of the current regulatory framework for the management of state and public monitoring of air quality during emergencies in the context of sustainable development.

Regulatory support of environmental safety of the atmosphere during emergencies

The concept of sustainable development - is a relatively new system of social, economic and environmental values of the world community that puts emphasis on the judicious use of natural resources, which also applies to the atmosphere, through which actually possible our existence. Today, the quality of the surface layer of atmospheric air in areas of large and medium-sized cities is very questionable (Fig. 1)

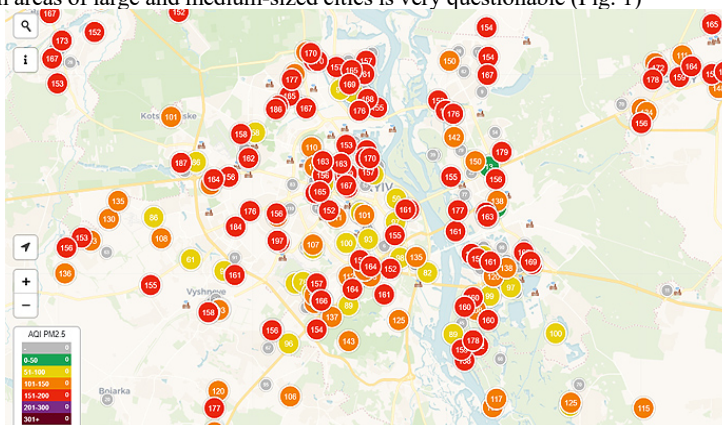


Fig. 1. Air Quality Index (AQI), saveecobot.com (Kyiv, January 20, 2021)

According to the Constitution of Ukraine, human security, life and health are the highest social values (Article 3). Every citizen of Ukraine has a constitutional right to a safe environment for life and health (Article 50). These constitutional rights and freedoms are integral objects of Ukraine's national security [1].

Ukrainian legislation on the protection and management of environmental air safety is represented by an extensive system of regulations. All of them exist to ensure the regulation and control of compliance with the requirements of a wide range of issues related to environmental safety, in particular, air quality management.

Ukraine is a party to the Convention on Long-range Transboundary Air Pollution [2], the Convention on Environmental Impact Assessment in a Transboundary Context [3]. In addition, the main regulations on the regulation of the use and management of the atmosphere are: Air from Ukraine, Law of Ukraine "On Atmospheric Air Protection", Law of Ukraine "On Environmental Protection". Also in Ukraine has more than 22 subordinate normative legal acts that regulate and control the environmental safety of enterprises from pollution, particularly air.

The main executive bodies for environmental air safety management are the State Emergency Service (SES) of Ukraine and the State Ecological Inspectorate, which reports to the Ministry of Environmental Protection and Natural Resources of Ukraine (Ministry of Environment), as well as departments and units subordinated to these government agencies.

The SES of Ukraine is guided by the Constitution and laws of Ukraine, decrees of the President of Ukraine and resolutions of the Verkhovna Rada of Ukraine adopted in accordance with the Constitution and laws of Ukraine, acts of the Cabinet of Ministers of Ukraine, other legislation and is much broader than environmental management.

According to the Resolution of the Cabinet of Ministers of Ukraine [2], the SES: establishes observation points and monitors the levels of pollutants, indicators and components of precipitation determined on the observation network of the National Hydrometeorological Service and provides subjects of atmospheric air monitoring with hydrometeorologists.

Atmospheric air quality management is carried out by the State Ecological Inspectorate of Ukraine in accordance with current legislation [7] by involving specialists from various fields of management, including auditors, ecologists, experts in subsoil use, water use, agricultural policy, etc. and involving specialists from controlled enterprises: also specialists in the field of technogenic, ecological and social security.

In terms of impact on the environment and human health, emergencies and emergencies at man-made sites and areas are on the one hand a significant threat to national security, and on the other a great burden on the natural environment and a factor of transboundary pollution [5].

For the effective modernization of the management component of environmental safety of air conditions, special attention should be paid to the goals of sustainable development, innovation and infrastructure and "sustainable development of cities and communities", which provide:

1. development of quality, reliable, sustainable and sustainable infrastructure, including regional and cross-border infrastructure, in order to support economic development and human well-being;
2. ensuring reliable and safe working conditions for all workers, in particular through the use of innovative technologies in the field of labor protection and industrial safety;
3. timely notification of the population about emergencies with the use of innovative technologies;
4. reducing the negative impact of pollutants, including on the urban environment, through the use of innovative technologies;

5. development and implementation of local development strategies aimed at economic growth, job creation, tourism development, recreation, local culture and local production [6], etc.

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