SANITARY NORMS, RULES AND HYGIENIC STANDARDS ON ENVIRONMENTAL HYGIENE AND HEALTH RISK ASSESSMENT WHEN INTRODUCING NEW TECHNOLOGIES AT THE REPUBLIC OF BELARUS

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Together with new technologies and new materials in the Republic of Belarus arrives and varied supporting documentation. The desire to integrate into the international community and the construction of joint industrial projects in the republic makes the task of implementing the existing international environmental quality standards to ensure greater reliability and safety of new businesses. Adequate assessment of human risk management strategy to ensure sustainable development. We have carried out major acts harmonization with European standards of air quality and other guides on territorial planning.


List of administrative procedures, the Ministry of Health committed and subordinate government agencies in relation to legal persons and individual entrepreneurs, approved by the Council of Ministers, the 10/31/2007, № 1430 (as amended by the Council of Ministers of the Republic of Belarus 05.10.2010g, № 1433), contains a requirement for the state sanitary-hygienic examination and issue of the state sanitary-hygienic assessment of projects SPZ objects by the territorial centers of state sanitary inspection. In the Instructions for Use "Hygienic requirements for the composition of the sanitary protective zone" approved by the Deputy Minister - Chief Medical Officer of the Republic of Belarus, 24.12.2010, № 120/1210 provides the necessary data to build the project SPZ: general information about the enterprise; analysis functional use of territory enterprise; a brief description of the natural environmental of the territories; the calculation of the SPZ by a factor of air pollution, noise exposure, other factors to the adverse impacts; analysis of water use and sanitation; formation and removal of industrial waste; measures to reduce the negative impact on the environment; justification SPZ boundaries calculated with respect to all indicators; the boundary SPZ in the scheme; planning activities for the organization, improvement and gardening SPZ.

The requirement to air quality for the safety of human life is realized in the following technical normative legal acts approved by the Ministry of Health:
- Sanitary norms, rules and hygienic standards "Hygienic requirements for air quality settlements and places of recreation", approved by Decree of the Ministry of Health June 30, 2009, № 77;
- «The standards for maximum allowable concentrations of pollutants in the air and estimated safe levels of exposure to pollutants in ambient air of settlements and places of mass recreation"; approved by Decree of the Ministry of Health, December 30, 2010, № 186;

Sanitary norms, rules and hygienic standards apply in all departments and industrial enterprises at the Republic of Belarus. We conducted harmonization of air quality standards with international guidelines and obligations of Republic of Belarus on international conventions.

The methodology of risk assessment and prevention technologies are seen as a global factor of economic growth, as evidenced by global trends in the sphere of science, when research results are evaluated in the context of innovation and development of practical significance.
Therefore, risk management - is a reasonable balance between the economic costs and providing an acceptable risk to humans. Risk assessment to human health from the impacts of the proposed activity is conducted in accordance with the following documents:

- Instruction № 18-0102 «Epidemiological risk assessment of environmental influences on human health", approved by the Chief State Sanitary Doctor of Belarus 11 July 2002;
- Instructions for use "Differentiated scale for assessment the hazard class enterprise," approved by Decision of the Chief State Sanitary Doctor of Belarus, December 30, 2008, № 208-1208

When conducting the assessment procedure of environmental impact at an early stage is determined by the most environmentally friendly option of construction (reconstruction) of an object given the risk to health. Republican Scientific Practical Center of Hygiene conducted a risk assessment procedure for the public health impact of pollutants and noise in ambient air to support the settlement SPZ for over 200 different the enterprise - agriculture, engineering, chemical production (plant protection products ), energy production (power plants in various types of fuel), production of building materials, etc.

Very important for the implementation of the Convention on Environmental Impact Assessment in a Transboundary Context, Espoo, 1991.