



Geographical aspects of a territory and the velocity of liquidation natural-technical emergency situations' consequences (the case of Leningradskaya oblast in Russia)

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The velocity of liquidation of consequences of emergency situation or natural hazards is one of two main components of nonmonetized evaluation of their graveness. Besides the level of technical and economical securance of repair works the big role in their differentiation plays macro and mesolocation of the repair object in physical- and economicalgeographical space.

The enlistment of these factors differs very much for the accidents of various origin and for various territories with their own combination of physical- and economicalgeographical conditions.

In this work the first attempt of analysis of influence of the physical- and economicalgeographical conditions on the duration of repair the electricity supplies, broken down by the hazardous hydrometeorological phenomena in Leningradskaya oblast in Russia was made.

This region, situated on north-west of the country, outstands with variety of physical- and economicalgeographical conditions. In this project the data of Laboratory of snow avalanches and mudflows (geographical faculty, MSU), open-sourced map data and the archive of newspapers of Leningradskaya oblast were used.

It is very important to understand, that the transportation of the electricity by electric power lines is the main way of transportation energy in Russia. The interruption of power supply, caused by dangerous phenomena, happens in majority cases because of kinking or break of the cable. The break takes places during the strong winds and fall of the trees on the cable or icing and their break during the strong winds. The frequency of strong winds in the terms of one synoptical cycle (5-7 days) appears as an independent factor of elongation of terms of repairing the power supply.

Such physicalgeographical singularities of landscape of Leningradskaya oblast as the grade of loess soil and swappiness of different districts appears as a factor, which modulates the dependence of the velocity of repairing the power supply from the characteristics of economical geographical space.

Economical-geographical characteristics of the space according to concerned types of accidents should be estimate in macro and meso scale. In macro scale the social-economical status of Saint-Petersburg and accumbens cities and districts is essential. This city determines the creation of technical conditions, providing the protection of these objects from natural hazards. In meso scale the significant factors are the rank of the village, the presence of objects of life necessities and social-significant objects, the number of population, the distance to the closest "central place" and the quality of the transport arteria. In some cases the size of "the zone of responsibility" plays a role.

The investigation allows to determine the principles of estimation geographical structure of the territory as a factor of differentiation the velocity of liquidation the consequence of accidents and natural hazards. The analysis of causes and conditions, that influence the velocity of liquidation the consequence of accidents on a power supply make possible the zoning of Leningradskaya oblast. The conformation of achieved connections on other regions will make possible the development of methods of evaluation the value of appreciation the maintaining the life in regions of Russia on a certain level of life.