

*Materials of Conference***RISK EVALUATION OF THE ENVIRONMENTAL POLLUTION INFLUENCE ON THE POPULATION HEALTH IN URAL URBAN DISTRICT**

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Health problems of the Ural Region population are largely associated with the environmental technogenic pollution defined by the industry impact, non-ferrous and ferrous metallurgies, first of all. The territories of such manufacturing towns of the Ural Region as Kamensk-Uralsky, Krasnouralsk, Nizhnyaya Salda are referred to ecologically unfortunate ones. For the solution of the towns' ecological problems the development of Ecological Programs making the municipal government policy in the environment protection sphere and oriented to the Territory's ecological state improvement and people's invigoration are contemplated. The purpose of the work has been the scientific substantiation of the main directions of health optimization of the population living in the ecologically unfortunate territory. For the achievement of the stated

objective the following problems were solved: the population health state estimation; the estimation of the population health cancerogenic risk from the chemical substances polluting the environment and planning ecological program priority measures aimed at the population health state improvement. The carried out investigations testified that the leading medium being hurtful to the health of the population is the contaminated open air. The analysis of air contamination with cancerogenes testifies that the volumes of individual cancerogenic risk in the territories of Krasnouralsk, Kamensk-Uralsky and Nizhnyaya Salda are at the level of  $10^{-3}$  и  $10^{-4}$ , that is typical for many large industrial cities of Russia. The leading position among the cancerogenes is occupied by benz(a)pyrene, chrome, nickel – in Kamensk-Uralsky; arsenic compounds – in Krasnouralsk, and formaldehyde – in the city of Nizhnyaya Salda. By virtue of the results of the carried out investigations a plan of measures on the population health rehabilitation and environment enhancement was formed.

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