

ECOLOGICAL ENVIRONMENT IN THE REPUBLIC OF KAZAKHSTAN

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Abstract¹

In the report the corresponding analysis and evaluation of condition of atmospheric air and water resources pollution on the base of statistical indicators and observations is carried out.

The condition of atmospheric air pollution. The level of pollution exceeds permissible standards in 15 cities of republic. Marginally permissible concentrations of polluted substances of sulfur and nitrogen dioxides exceed standards in three times, of formaldegids - in seven times, of phenols - in four times, of lead - in two times.

The main part of polluted substances is generated by the enterprises of ferrous and non-ferrous industries, thermal electric power engineering and oil and gas industry.

The condition of water resources pollution. The deficit of water resources is one of the ecological problems in our republic. The river flowing is the base of republican water resources. It is about 100 cubic meters per year. The quantity of fresh water taking away is reducing constantly from 1991. Such situation is caused by reduction of fresh water using for the agricultural and industrial needs. The main consumers of fresh water are situated on the South of Kazakhstan - in Kzylorda, Almaty (including Almaty city), South Kazakhstan and Zhambyl regions.

The republic of Kazakhstan is disposing of subsoil water inventories. The subsoil water is using for economic and drinking (66%) as well as technical and industrial (23%) water supply. The part of subsoil water is using for irrigation purposes. The quality of subsoil water is changing for the worse every year. The main reasons of subsoil water pollution are connected with industrial activities (41%), agricultural ones (30%) and with other economic activities (29%).

The essential problem of ecological reform implementation is to provide people with drinking water of standard quality. Now the 10,3% of drinking water don't satisfy the standards on chemical indicators and 12,6% - on microbiological indicators in 12,6%.

¹ The full reprint is only available in Russian from the Agency on Statistics of Kazakhstan (see address on the first page) or from UN/ECE.