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Ecological problems of Irkutsk region

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Irkutsk region

Irkutsk region is one of the regions of Russia, which is under the scrutiny of the whole society not only thanks to the richest resources - mineral, water, hydropower, forestry, hunting and fishing, but also as a region responsible for fulfilling the Russian Federation's international obligations regarding the conservation of Lake Baikal And Baikal natural territory.

Taking into account the uniqueness of the lake and the highest ecological requirements of the world standards, it is possible to preserve Lake Baikal in the current conditions of a market economy only when the efforts of state authorities, local authorities and every person living in the region are combined.

Statistics on which you need to *To think seriously*

- According to state statistical reporting, in 2007, 522 enterprises of the region threw into the atmosphere 489.8 thousand tons of pollutants (2006 - 520 thousand tons). At these enterprises, there are 21540 stationary sources of atmospheric pollution, of which 14791 (68%) are organized.
- In 2007, the total abstraction of water from natural water bodies was reduced by 17% compared to 2006. The largest consumers are enterprises of electric power industry, forestry, woodworking and pulp and paper, chemical and petrochemical industry, non-ferrous metallurgy.
- The following cities lead the way in discharging polluted waters: Bratsk (22.4% of the total discharge), Angarsk (18%), Irkutsk (12.1%), Ust-Ilimsk (8.6%), Usolye-Siberian (6, 4%).
- In 2007, 287.1 thousand tons of chlorides were supplied to the region's reservoirs along with sewage (2006: 288.1 thousand tons), 64.5 thousand tons of sulphates (2006 - 68.1 thousand tons), 1.4 Thousand tons of ammonium nitrogen (2006 - 1.2 thousand tons), 0.9 thousand tons of fats (2006 - 0.9), 91 kg of mercury (2006 - 108 kg) and a number of other substances.





Main environmental problems Irkutsk region

- Emission of pollutants into the atmosphere
- Discharges to polluted waters
- The problem of mercury pollution
- Unauthorized landfills

Unauthorized landfills

On the territory of the region there are 173 objects under city and settlement dumps. Many of them do not have permissive documentation, the amount of accumulated waste is almost impossible to determine. On the territory of the Irkutsk region in April 2008, 116 unauthorized dumps were identified. The largest number of illegal dumps was found in the Olkhon and Nizhneudinsky districts.



Emission to the atmosphere

Pollutants

Analysis of the results of observations of atmospheric pollution in the territory of the Irkutsk region indicates that a very high level of pollution has been registered in the cities of Bratsk, Irkutsk, Zima and Shelekhov in recent years. Therefore, these cities are included in the priority list of cities in the Russian Federation with the highest level of air pollution. A high level of air pollution is observed in the cities of Zheleznogorsk-Ilim, Usolye-Sibirskoe, Cheremkhovo.

The main ecological problems of Irkutsk



- **Environmentally unfavorable condition of atmospheric air**
- **Unsatisfactory state of water protection from pollution by sewage**
- **Critical state in the sphere of waste management of production and consumption**
- **Absence of waste recycling system**

List of literature

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**Thanks for
your attention.**