«*Pollution of the oceans*»

Introduction

At present, the problem of pollution of the water environment is very urgent, because now people are beginning to forget the well-known expression "water is life". Without water, humans cannot survive more than three days, but even knowing the importance of the role of water in his life, he still continues to cause harm to water bodies, permanently altering their natural mode by dumping and waste management.

Pollution of the oceans

Every year in the oceans gets more than 10 million tons of oil and up to 20% of the world's oceans are covered with an oil film. Primarily, this is because the production of oil and gas in the oceans and seas has become an essential component of the oil and gas industry. in 1993, in the ocean produced 850 million tonnes of oil (almost 30% of global production). In the world drilled approximately 2500 wells, of which 800 are in the United States, 540 – in South-East Asia, 400 in the North Sea, 150 are in the Persian Gulf. This mass of wells drilled at depths of up to 900 metres.

Pollution of the oceans by water occurs through two channels: first, sea and river vessels polluting its waste from maintenance activities and, secondly, the emissions in the case of accidents, toxic goods, mostly oil and petroleum products. Power systems ships (mostly diesel) continually pollute the atmosphere, from where toxic substances partially or almost completely fall into the water of rivers, seas and oceans.

Pollution of the oceans.

Oil and oil products are the main polluters of water basin. On tankers carrying oil and its derivatives, before each regular boot, usually washed containers (tanks) to remove residual previously transported cargo. Rinse water, and with it the cargo residues are usually dumped overboard. Also, after delivery of the neftegruzov in the ports of destination tankers often are directed to new item loading without load. In this case, to ensure adequate rainfall and safe navigation vessel filled with ballast water tanks. This water is polluted by oil residues, and prior to loading oil poured into the sea. Out of the total cargo tonnage of the world merchant marine is now 49% fall in oil and its derivatives. Every year about 6000 international fleets of tankers to transport 3.5 billion tons of oil (2000). As the traffic and accident neftegruzov the increasing quantity of oil was released into the ocean ...

According to 1988 in all seas of the world were dropped about 20 billion tons of garbage. In the North Sea alone 98000 ton waste were dropped.

Up to 2 million seabirds and 100 thousand sea animals, including up to 30 thousand seals die annually by swallowing any plastic products or entangled in nets and ropes bits ...

1. *pollution of petroleum and petroleum products. Leads to oil spills, which hampers the process of photosynthesis in the water due to the termination of access to sunlight and cause the death of plants and animals. Each ton of oil creates an oil film on the area up to 12 km square. Restoration of affected ecosystems takes 10-15 years;*

2. *pollution from sewage from industrial production, mineral and organic fertilizers in agricultural production and urban household effluents. Leads to eutrophication of reservoirs – their enrichment with nutrients, resulting in excessive growth of algae and the deaths of other ecosystems reservoirs with static water (Lakes and ponds) and sometimes to waterlogging regions;*

3. **Pollution by heavy metals. Violates the vital activity of aquatic organisms and humans;**

4. *Acid rain pollution. Leads to acidification of water bodies and the loss of ecosystems.*

5. *Bacterial and biological pollution*. Associated with different pathogens, fungi and algae.;;

World economy resets per year 1500 cubic km of sewage purification degree that require 50-100-fold dilution to estesvennyh properties and further purifying in the biosphere. Water are not taken into account agricultural production. Global river discharge (37.5-45 thousand cubic kilometres per year) is insufficient for the necessary dilution of wastewater. Thus, as a result of industrial activities, fresh water has ceased to be a renewable resource. ;;

Consider consistently pollution of oceans, seas, rivers and lakes, as well as methods of očstki waste water. ;;

6. *Radioactive contamination. Due to the dumping of radioactive waste;;;*
7. *Thermal pollution. Is called dumping into water heated water POWER STATION and POWER PLANT. Leads to mass development of blue-green algae, the so-called blooming of water, reduce the amount of oxygen and has a negative impact on flora and fauna reservoirs;;;*
8. *Mechanical contamination. Increases the content of mechanical impurities;;;*

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Protection of the oceans.

n 1983, entered into force the International Convention for the prevention of pollution of the marine environment. In 1984, the Baltic States signed the Helsinki Convention on the protection of the marine environment of the Baltic Sea. It was the first international agreement at the regional level. As a result, content of oil products in the open waters of the Baltic Sea has declined to 20 times compared with 1975. ;;

n 1992, the Ministers of the 12-minute States and by the representative of the European Community signed the new Convention on the protection of the Baltic Sea. ;;

Protection of the oceans

In 1972, they signed the London Convention banning the dumping of the seabed and ocean floor radioactive and toxic chemical waste. Acceded to this Convention and Russia. Military ships in accordance with international law to allow the reset is not needed. In 1993, banned dumping of liquid radioactive waste into the sea. ;;

In 1982, the THIRD UN Conference on the law of the sea adopted the Convention on the peaceful use of the oceans for the benefit of all countries and peoples, which contains about 1000 international legal norms regulating all basic questions of use of ocean resources. . ;;
Article 58: the Constitution of the Russian Federation. ;;

Everyone is obliged to preserve nature and the environment, preserve natural resources. . ;;