

## **ECOLOGICAL PROBLEMS OF WATER RESOURCES IN UKRAINE**

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Even in the last century, humanity did not realize the importance of environmental problems. The consequence of this was that humanity focused its attention on increasing production capacity, while neglecting efficiency and environmental friendliness. As a result, up to 3 million tons of polluting rivers, such as industrial waste from factories, were thrown into the rivers of our planet. (Knush, 2021)

According to statistics, 90% of the population of Ukraine uses water from surface sources for their own needs, the quality of which only worsens every year. There are many reasons for the deterioration of surface water quality, for example, an outdated water treatment system at enterprises that does not meet water treatment standards. The consequence of this is that the vast majority of water bodies in Ukraine have the 3rd level of pollution. According to state water quality standards, this level of pollution is a significant deviation from the norm. (Yatsyk, 2018)

Also, we should not forget about the environmental consequences for water resources due to the explosion of the Kakhovka HPP. According to the researchers of the informNapalm project, the consequences of blowing up the Kakhovka HPP can be compared with the use of nuclear weapons, in terms of the scale of pollution. One of the reasons for such consequences should be considered that during the detonation of the hydroelectric power station, there was a leak of oil, with a volume of up to 450 tons, due to which film on the surface of the water will limit the access of oxygen to the water, as a result of which a huge number of fish died. Taking into account the data of the world data center, as a result of this disaster, the biodiversity in the Dnipro was caused colossal damage also due to the one-time discharge of a large volume of water. (Selyk, 2023)

At this moment, humanity has many ways to solve environmental problems

related to water resources, such as using the latest resources in the field of water purification. It would also be quite effective to regulate illegal discharges of pollutants into water bodies, making these discharges impossible in the future. (Yatsyk, 2018)

#### **References:**

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