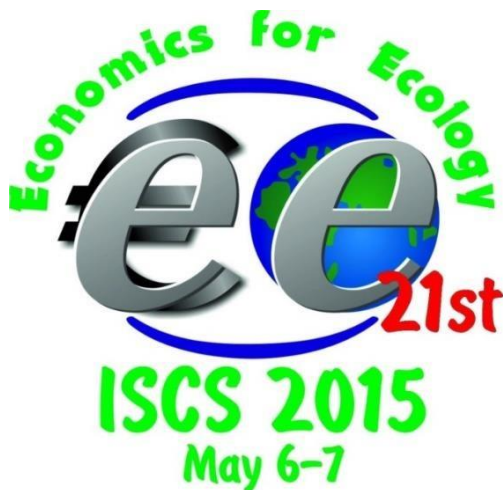


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SOME ASPECTS OF ENVIRONMENTAL SITUATION IN SUMY CITY

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Environmental problems arising at the present stage of development of Ukraine and leading to negative consequences is an important issue to our attention. Sumy region is one of the areas that requires in-depth analysis and study of the environment.

A very important question is what do we breathe. Let's start with the fact that the state of air is checked by environmental inspection, sanitary and epidemiological stations. But no one provides complete information about air that is contained in Sumy. Today, the main air pollutants are cars. Perhaps the most suffering area is central part of the city. At peak hours it is impossible to breathe on Pokrovskaya Str. The second air pollutants are large industrial enterprises: "Sumykhimprom" and "Frunze ". These giants seriously loaded our lungs. A big plus for the citizens can be green filters: botanical gardens, parks, forest plantations, but they have recently been destroyed. For example, one of the environmental disasters is seen in Baumana Str. People cut down five hundred acacias for the construction of houses. The center of city has lost a green oasis in the estate Sumovskih in 2009. Felling of trees for the construction on Baranivka held at least since 2010. Today, no one keeps tight control over our air, important role of trees in oxygen saturation is not taken into account. At this rate we will need more air filters. Department of Environment and Energy Conservation Department of Infrastructure of Sumy informed that the content of dust, sulfur dioxide, carbon dioxide and nitrogen oxide, ammonia, formaldehyde was monitored for 3 fixed stations. In 2014 throughout October meteorologists selected and analyzed 1418 samples of air. Mean concentrations of dust, nitrogen dioxide and formaldehyde exceeded health standards in 1.6; 1.3; 1.1-fold, respectively. The rest of the components that were studied, were below the sanitary standards or meet them. But everything is not so bad as the situation with air.

Let's consider the quality of water in Sumy. Sumy water is considered one of the cleanest water in Ukraine. In addition, in our city water is not chlorinated, because it is extracted from underground sources, and not nearby rivers. Water enters the apartment of six wells Sumy intakes: Novoobolon, Topolyansky, Luchanski, Prishibsky, Tokarevsky and

Lepehovskiy. Sumy extracts water from different depths: there is a well of the upper cretaceous, the depth of which 90-125 m, and wells that supply water from a depth of 612-630 m. Furthermore, there is a well whose depth reaches 930 m. Another feature of Sumy water is that it is saturated with iron. Alexander Chernyak (chief medical officer of the city) informed that daily monitoring of water is carried out on all intakes, some control companies take the water at these places. While water quality is very good, is arising another question about pipes which are used for water flow. Most of the water plumbing of the city is worn, that's why water comes to people's apartments with bad quality. This is a very serious problem. We need to take care of water resources, because if not to pay more attention to these problems we may face the problem of lack of water in 15-20 years.

Summarizing the above mentioned we can say that the environmental situation in Sumy leaves much to be improved and changed. If in our city will remain current trend of water and air using and pollution, the environmental problem can become the main cause of the deterioration of the health of its population. That is why this subject should be studied in depth by authorized establishments of control, monitoring and protection as well as inhabitants shouldn't not pollute our water and air. Putting all efforts together we should make it cleaner for us and for the Earth.

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