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"HYGIENIC ASSESSMENT OF BACTERIOLOGICAL INDICATORS OF DRINKING WATER IN CHEMICAL, ORGANOLEPTIC BATHS" (ON THE EXAMPLE OF THE CITY OF TASHKENT)

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Abstract:

Water is important in human life.Its importance is very important not only to the life of Man and heaven, but also to the plant world. The issues of providing the population with quality drinking water and the health indicators of the population here, the elimination of many epidemic diseases, the improvement of residential areas and the provision of sanitary camphor of residential buildings are closely related [8].

Keywords:

RELEVANCE OF THE TOPIC. Water is important in human life.Its importance is very important not only to the life of Man and heaven, but also to the plant world. The issues of providing the population with quality drinking water and the health indicators of the population here, the elimination of many epidemic diseases, the improvement of residential areas and the provision of sanitary camphor of residential buildings are closely related [8].

During the years of independence in Uzbekistan, large-scale work was carried out to improve the supply of the population with quality drinking water. Consistent implementation of extremely important programs and projects for the development of the drinking water supply system has made it possible to significantly improve the state of water supply in cities and districts, including rural areas.

Only over the next six years, about 13 thousand kilometers of water pipes and floodplain networks, more than 1.6 thousand water outlet wells, as well as towers and reservoirs that generate 1.4 thousand water pressures were built and reconstructed.

As a result, most settlements that were not supplied with drinking water due to the attraction of grants and loans from international financial organizations, in particular, were supplied with water corresponding to modern requirements for quality and safety. Decision of the president of the Republic of Uzbekistan. On the program of comprehensive development and modernization of drinking water supply and sewage systems in 2017-2021) [].

At the same time, several unsolved problems of providing quality drinking water to some regions, above all the regions of the Republic of Karakalpakstan, Bukhara, Jizzakh, Kashkadarya, Surkhandarya, Syrdarya and Khorezm, still remain. [3,9].

The constant increase in the population, the construction of new residential arrays, the growing expansion of cities and settlements on the basis of the active introduction of energy and resource-saving modern technologies necessitates the implementation of practical measures to radically improve the guaranteed water supply system aimed at the modernization of water intake facilities, water pipes, pumping stations, distribution nodes and

It is necessary to create comfortable and comfortable socio-domestic conditions, achieve the supply of quality drinking water everywhere for consumers, increase the efficiency of the provision of water supply services in the Republic, especially in rural areas, for the living of large segments of the population.

GOALS AND OBJECTIVES OF OUR WORK. The purpose of this research work is to study the state of drinking water supply on the example of Yunusabad District of Tashkent City. District sanitary epidemiology tranquility and Public Health Service Department archival materials implementation on indicators of monitoring the quality of drinking water on the basis of personal examinations in ham, that is, bacteriological indicators (total number of microbes, coli-index); organoleptic indicators (smell, blurred taste); analysis of laboratory tests on physical and chemical indicators.

RESULTS OBTAINED. Water supply of Yunusabad District of Tashkent City for laboratory tests of the quality of Central vodoprovod Water received tests for a total of 2101 inspections by August 2022. Personal tests, on the other hand, in the autumn-winter and spring-

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summer months, a total of 360 tests were taken from the floodwaters of various institutions with the participation of employees of the Yunusabad district sanitary epidemiological tranquility and were involved in the examination and examination of the tests taken in the district SEO sanitary and hygienic laboratory. The chemical indicators at the points of inspection of the water of vodoprovod meet the requirements of the state standard of the Republic of Uzbekistan 950-2011, that is, the amount of fluorine - 0.7 mg/dm3; nitrates - 45 mg/dm3; oxidation – 5.0 mg/dm3; general hardness-10mg/dm3; chlorides - 270-350 mg/dm3; sulfates-400-500 mg/DM3; iron -0.3 mg/DM3 (we witnessed the same result when we estimated the annual estimates of the archival materials and compared them with the indicators we received, that is, not all chemical indicators of drinking water exceed the norm).

1850 tests were taken for the study of organoleptic indicators of drinking water. When the resulting tests were examined by the laboratory, it was found that the clarity of drinking water was 1.5-2.0 mg/dm3, the taste was 1-2 points, the smell was 2 points, and the color was 21-250, which showed that the organoleptic indicators of all drinking water were in demand. We witnessed that the organoleptic indicators of Sinam water obtained from the side of ham Hech did not rise above the norm in one place, and it was determined that the water was suitable for drinking

A sample of 1783 sinamas taken to study bacteriological indicators of Central vodoprovod water of Yunusabad district showed the following: the total number of microbes in drinking water is 100/1sm3; coli-index-1 L is no more than 3 in water; the incidence of new fecal infestation is 200sm3; Colifagi BOYE-200 cm3 is 1. As can be seen in the figures, water sinamas from the Central Water Network meet the standard requirement for bacteriolgic indicators.

We witnessed that the bacteriological indicators of a total of 210 sinama waters obtained from the side did not rise above the norm somewhere, and it was determined that the water was suitable for drinking.

CONCLUSION. The taxiles carried out showed that the archival materials from the Yunusabad district sanitary hygiene department of Tashkent City were studied to meet the requirements of the standard 950-2011 on chemical, organoleptic water quality in central vodoprovod according to the results of personal examinations in Kham, bacteriological indicators in khech by one indicator and chemical, organoleptic Ham at the points of inspection of vodoprovod water.

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