"I approve"
Member of the Management Board-Acting Vice-Rector on financial and economic affairs and infrastructure development
_____ A. Tassybayev
"___" _____2024

University Water Use Policy

1. Analysis of the current situation

The University constantly records and measures the consumption and use of tap water, and water metering devices are installed. Since tap water in Almaty is fresh, it does not need desalination, and therefore desalination is not performed by the university.

At the moment, the university does not use systems for water reuse. Most of thecity's water consumption is provided by the municipal water supply system, and the waste water is disposed of without treatment for reuse.

At the same time, the university management is aware of the importance of efficient water use and has planned to install a purification system by the end of 2024.

With its help, it is planned to purify part of the water, which will later be used for irrigation of green spaces on the campus. The University considers it important to gradually increase the share of wastewater reused for household needs and irrigation.

At the University, water supply for irrigation of perennial grasses and garden crops is carried out from the production well with registration number 8495, issued by the RSU SKMD of Geology of the Committee of the Ministry of Ecology, Geology and Natural Resources of the Republic of Kazakhstan "Yuzhkaznedra", well equipment-ETSV pump-6-16-190.

This well was drilled in 2019 to meet the irrigation needs of the University's economic and technical needs.

2. Purpose and objectives of the policy

The University considers it a priority to implement a water use policy to reduce total water consumption and ensure maximum possible reuse, save money and reduce the burden on the urban water system and natural resources.

The policy is aimed at achieving environmental goals, including reducing the consumption of natural resources, reducing wastewater volumes, and improving the quality of water supplied back to the environment.

Main tasks:

- Reduce drinking water consumption through the introduction of wastewater treatment technologies and the subsequent reuse of industrial water for various needs, such as irrigation of green spaces and sanitary processes.
- Сокрareducing loadsи on water resources as well.
- Formation and development of a culture of conscious attitude to water among students, teachers and employees of the university.
- Implement the principles of long-term sustainable development in accordance with the UN Sustainable Development Goals (SDGs).
- Reduce water consumption and operating costs through optimization of water use, including the introduction of advanced treatment technologies.
- Strengthening the university's reputation as a responsible participant in environmental initiatives at the local and international levels, stimulating higher standards of eco-awareness and resource conservation among students, teachers and staff.
- Establish and maintain infrastructure to ensurewater reuseго использования воды in accordance with international standards.

3. Main policy directions

Monitoring of consumption and infrastructure

The University considers it important to conduct regularmonitoring of water consumption on campus for analysis.

The University regularly monitors the condition of water supply and other engineering networks for their timely renewal and prevention of leaks and contamination.

Commissioning of water flow monitoring systems to determine the main points of consumption is carried out as appropriate equipment is purchased and the university's material base is updated.

Using purified water

The University plans to use purified water for irrigation of plants and green areas, which will reduce the use of drinking water for technical needs.

Installation of a purified water storage system to ensure uninterrupted access for irrigation needs in the dry season.

Water consumption culture

Drinking fountains are installed on the territory of the University, academic buildings and dormitories, which gives students, staff and visitors free access to clean drinking water.

The University considers it a priority to conduct lectures and information campaigns aimed at creating a culture of careful attitude to water.

Placing water conservation information signs on водосбережениятhe campus to encourage students and staff to reduce their water consumption.

Technical measures to reduce water consumption

The University plans to install water-saving devices on cranes and plumbing facilities to reduce water consumption.

Introduction of automated irrigation systems to optimize water consumption in green areas.

Increase the share of water reuse and purification as the university's facilities and systems are updated.

When carrying out construction and repair work, the university applies the relevant building codes, sanitary requirements and other modern standards.

New buildings and buildings that are being put into operation must meet the SDGs in the field of water use at the university.

Monitoring and evaluation of results

The University considers it a priority to monitor the effectiveness of policy implementation by regularly checking the amount of water saved and its reuse.

Publication of water conservation reports as part of the University's overall sustainability data.

Responsibility and implementation

The responsibility for implementing this policy lies with the management of the university and its departments.

The University considers it important to communicate to each employee and student the goals and activities set out in this policy.