

Non-profit joint-stock company
«Shakarim University»



Water Recycling Program Implementation Policy

Semey, 2026

Purpose: The purpose of this policy is to establish a structured framework for water recycling across all campuses of Shakarim University. The program aims to reduce dependence on potable water, minimize wastewater generation, and promote environmental awareness through the collection, treatment, and reuse of water in buildings, laboratories, and green areas.

1. Purpose

The policy aims to:

- Reduce fresh water consumption.
- Promote the reuse of treated water for non-potable needs.
- Integrate water recycling technologies into campus operations, education, and research.
- Increase awareness among students and staff about sustainable water use methods.

2. Scope

The policy applies to:

- All university campuses, buildings, laboratories, and dormitories.
- Students, academic and administrative staff, contractors, and visitors.
- All types of operational activities related to the use, treatment, and disposal of water.

3. Principles

- **Resource Efficiency:** Maximizing water usage efficiency and minimizing waste.
- **Legal Compliance:** Operating in accordance with Kazakhstan's legislation and international environmental standards.
- **Transparency:** Regularly sharing water consumption data, recycling results, and best practices with the university community.
- **Innovation:** Encouraging research and development in water treatment technologies.
- **Collaboration:** Working with government bodies, industry partners, and other universities to improve water recycling capabilities.

4. Policy Statements

- Installation of water recycling systems in selected buildings and facilities.
- Use of recycled water for irrigation, cleaning, and other non-potable needs.
- Regular monitoring of water quality in accordance with national standards.
- Conducting educational programs for staff and students on efficient water use.
- Allocating budget and resources for system maintenance and upgrades.
- Incorporating water recycling topics into academic curricula and research projects.

5. University Goals for 2030

- Reduce total fresh water consumption on campus by at least 30%.
- Ensure that at least 50% of irrigation water comes from secondary sources.
- Establish a water recycling laboratory for educational and research purposes.
- Engage 100% of students in awareness-raising activities regarding sustainable water use.

6. Roles and Responsibilities

- **Infrastructure Management Department:** Overseeing the installation, operation, and maintenance of recycling systems.
- **Academic Departments:** Integrating the topic of water recycling into curricula and research.
- **Sustainability Working Group:** Monitoring progress, preparing annual reports, and coordinating awareness campaigns.
- **Students and Staff:** Active participation in water-saving initiatives.

7. Review

The policy will be reviewed at least once every 3 years or in the event of significant changes in national legislation or university governance requirements. The previous version of the policy remains in force until a new one is adopted.