



POLICY ON WATER REUSE AND SUSTAINABLE WATER MANAGEMENT

1. Introduction

Azerbaijan State Oil and Industry University (ASOIU) recognises that responsible water management is fundamental to sustainable campus operations and environmental stewardship. In line with national environmental legislation and international best practices, ASOIU has adopted a comprehensive Water Reuse and Circular Water Management Policy aimed at maximising water reuse across all university activities.

2. Purpose and Commitment

The primary purpose of this policy is to ensure that ASOIU systematically reduces its dependence on potable water and promotes safe and efficient reuse of water resources. The university commits to implementing sustainable water management practices through infrastructure upgrades, monitoring systems, and awareness-raising among the campus community. Water reuse is regarded not as an isolated technical measure but as an integral part of ASOIU's broader sustainability strategy and its contribution to SDG 6 – Clean Water and Sanitation.

3. Scope

This policy applies to all university buildings, laboratories, dormitories, canteens, sport facilities, and administrative areas. It also extends to new construction, renovation projects, and facilities operated by private partners on ASOIU premises. All departments and units share responsibility for complying with and contributing to the objectives outlined herein.

4. Policy Objectives

ASOIU aims to:

- Maximise the reuse of treated greywater, rainwater, and condensate for non-potable purposes such as irrigation, toilet flushing, cooling systems, and cleaning.
- Establish measurable targets for reducing overall water consumption and wastewater discharge.
- Integrate water reuse systems into the design of all new buildings and major refurbishments.

- Ensure the safety and quality of reused water through compliance with relevant sanitary standards and regular monitoring.
- Foster a culture of water consciousness through education, training, and stakeholder participation.

5. Governance and Responsibility

The university has established a Water Reuse Steering Committee (WRSC) under the Office of the Vice-Rector for Infrastructure and Settings. The Committee coordinates planning, monitoring, and evaluation of all water reuse initiatives. Each faculty or administrative unit designates a Unit Water Officer responsible for maintaining records, identifying reuse opportunities, and reporting data to the Committee on a quarterly basis. Annual progress is reviewed by the Rectorate and included in ASOIU's public sustainability reports.

6. Implementation Measures

ASOIU has begun installing dual plumbing systems, smart irrigation technologies, and digital metering devices to measure both potable and reused water volumes. The university also recovers rainwater and HVAC condensate for landscape irrigation and cleaning operations. In newly constructed facilities, greywater is treated on site and reused in sanitary systems where technically feasible. All installations are equipped with colour-coded piping and backflow prevention to ensure safety and regulatory compliance.

7. Targets and Monitoring

- By **2027**, all university buildings will have separate metering for potable and non-potable water.
- By **2030**, at least **30 percent** of total non-potable demand will be met through reused water.
- Regular water audits will be conducted every two years, and audit results will be publicly disclosed on the ASOIU Sustainability website.
- A digital leak detection and reporting system will be introduced to minimise losses and improve maintenance efficiency.

8. Education and Awareness

ASOIU actively engages students and staff in responsible water use through training sessions, environmental days, and campus campaigns. Information boards placed near water-intensive areas explain how reuse systems work and how the community can contribute to conserving water. These educational efforts ensure that technical improvements are supported by behavioural change across the institution.

9. Continuous Improvement and Review

This policy will be reviewed every two years by the Water Reuse Steering Committee to incorporate new technologies, national regulations, and institutional priorities. The Rectorate retains overall authority to approve amendments and allocate resources for implementation.

10. Conclusion

Through this policy, ASOIU demonstrates a clear institutional commitment to water sustainability and the circular economy. By integrating greywater and rainwater reuse systems, promoting efficient technologies, and embedding water responsibility in campus culture, the university aims to set a national benchmark in higher education for sustainable resource management.