WATER REUSE POLICY

1. INTRODUCTION

This policy focuses on ensuring sustainable management of water resources across the university, maximizing water reuse, reducing water consumption, and promoting environmental stewardship. This policy commits to integrating the university's water reuse practices into daily operations, new developments, and research initiatives. This policy applies to all university campuses, buildings, and facilities, including academic, administrative, residential, and recreational areas. It involves all stakeholders including faculty, students, staff, and facility management teams.

2. PURPOSE

The purpose of this policy is to outline the university's strategy to maximize water reuse. The goals are:

a. Sustainability: Reducing dependence on freshwater by increasing the use of treated wastewater and harvested rainwater for non-potable applications.

b. Resource Efficiency: Reducing overall water consumption through improved infrastructure, behavioral changes, and technological advances.

c. Environmental Impact: Minimizing the university's environmental footprint by reducing wastewater discharge and protecting local water resources.

d. Cost Reduction: Saving costs associated with water supply, wastewater treatment, and stormwater management.

3. DEFINITIONS

a. Water Reuse: Purifying and reusing used water (e.g. wastewater, greywater).

b. Gray Water: Water from baths, sinks, and washing machines that is suitable for secondary use.

c. Waste Water: Water that is generated as a result of domestic or industrial use and needs to be treated.

4. POLICY PRINCIPLES

a. Water Saving: In order to reduce water consumption, awareness-raising activities will be carried out on the effective use of water.

b. Reuse Systems: The establishment of gray water systems and wastewater treatment systems will be encouraged to protect water resources. These systems will aim to provide water for reuse in irrigation, toilets, and other suitable areas.

c. Sustainable Infrastructure: The necessary infrastructure and systems for water reuse in new construction projects and existing buildings will be designed and implemented.

d. Training and Awareness: Regular training and information seminars will be organized for the entire university community on water reuse, water conservation, and environmental sustainability.

e. Supply Chain Management: Cooperation will be made with suppliers providing services related to water management and reuse, and sustainable practices will be supported.

f. Monitoring and Supervision: Applications regarding water use will be regularly monitored and reported by MAKÜ Construction Works and Technical Department.

g. Community Participation: The university will develop projects on water reuse in cooperation with student communities and employees and encourage participation in these projects.

5. APPLICATION

Implementation of the "Water Reuse Policy" at MAKÜ focuses on several key strategies. Among them:

a. Rainwater Harvesting: Installing rainwater collection systems for non-potable uses.

b. Gray Water Recycling: Implementing gray water recycling for irrigation and toilet flushing.

c. Wastewater Treatment: Collaborating with local authorities to treat and reuse wastewater on campus.

Infrastructure improvements will be supported by campus-wide audits, identified by priority areas such as dual plumbing systems and advanced metering. Research and development will be encouraged through collaboration with industry partners and environmental organizations, while education and awareness campaigns will inform students, faculty, and staff about the importance of water conservation. With an initial focus on small-scale projects and awareness, larger system implementation and campus-wide monitoring will follow, eventually leading to full-scale wastewater recycling.

6. APPLICATION AREAS

a. Campus Areas: Gray water will be used in irrigation systems and green areas within the campus.

b. Wastewater Treatment: Necessary resources will be provided for the establishment of wastewater treatment systems and the effective operation of these systems.

7. MONITORING AND REPORTING

The Construction Works and Technical Department will be responsible for overseeing the implementation of water reuse policies. The effectiveness of reuse practices will be evaluated by preparing water usage reports once a year.

8. REVIEW AND UPDATE

The entire university community is expected to comply with this policy. This policy will be reviewed annually and necessary changes will be made to comply with current needs and legal regulations. The policy will be announced to all stakeholders through channels such as the university website, official bulletins, and orientation programs. The community will be informed about the policy through regular information sessions.