POLICY

on Waste Management and Recycling
Navoi State University of Mining and Technologies

Policy Statement

Navoi State University of Mining and Technologies is committed to promoting environmental sustainability through the implementation of an integrated 3R (Reduce, Reuse, Recycle) waste management system across all university facilities. The University recognizes that responsible waste management is essential for environmental protection, efficient resource utilization, and the development of a sustainable campus community.

The University shall continuously improve its waste management practices by minimizing waste generation, encouraging the reuse of materials, strengthening recycling systems, and promoting circular economy principles through education, research, and innovation.

Purpose

The purpose of this policy is to:

- Reduce the amount of waste generated on campus;
- Promote recycling and reuse of paper, plastic, glass, metal, and water resources;
- Encourage sustainable consumption practices among students and staff;
- Support environmentally responsible campus operations;
- Strengthen research and innovation related to waste recycling and sustainable resource management;
- Contribute to national and international sustainability goals and Greenmetric indicators.

Scope

This policy applies to all university campuses, academic departments, laboratories, dormitories, administrative offices, cafeterias, industrial parks, outdoor areas, and all members of the university community, including students, academic staff, administrative personnel, contractors, and visitors.

Policy Objectives

The University shall pursue the following objectives:

1. Establish an effective campus-wide waste segregation and recycling system;
2. Reduce the use of paper and single-use plastics through digitalization and awareness campaigns;

3. Promote reuse of recyclable materials in educational and research activities;
4. Strengthen partnerships with local recycling organizations and industries;
5. Encourage innovative research on recycling technologies and industrial waste reuse;
6. Increase environmental awareness and participation in sustainability initiatives across the university community;
7. Achieve continuous improvement in the implementation of 3R practices on campus.

Waste Management and Recycling Measures

Waste Separation System

The University shall maintain a systematic waste separation system with designated containers for:

- Plastic waste;
- Paper waste;
- Organic waste;
- Glass and metal waste where applicable.

Waste collection points shall be placed throughout the campus to ensure proper segregation and facilitate recycling processes.

Paper Reduction and Recycling

- The University shall minimize paper consumption through digital technologies and electronic document management systems;
- Official correspondence and administrative processes shall be conducted through the Electronic Document Organization (EDO) system;
- Academic management and educational processes shall be digitized through the HEMIS online platform;
- Paper waste generated on campus shall be collected and recycled in cooperation with external recycling partners.

The University collaborates with International Paper LLC for the recycling and reuse of paper waste into products such as tissue paper and documentation paper.

Glass Recycling

- Broken or unusable glass materials shall be collected and transferred to specialized laboratories within the university industrial park for recycling and reuse;
- The University shall support educational and research activities related to glass recycling technologies.

Metal and Aluminum Recycling

- Unusable metal and aluminum materials shall be collected and repurposed into educational models, laboratory tools, and specialized equipment;

- Recycling activities shall support practical learning opportunities for students in mining, metallurgy, and engineering fields.

Plastic Reduction and Recycling

- The University shall discourage the use of single-use plastic products on campus;
- Water refill systems shall be installed and maintained to reduce dependence on disposable plastic bottles;
- Recycled plastic materials shall be reused in 3D printing technologies and educational model production.

Water Recycling and Reuse

- Treated and recycled water shall be reused where feasible, including for gardening, sanitation facilities, and other non-potable purposes;
- The University shall encourage efficient water management practices in all campus operations.

Research and Innovation

The University shall encourage scientific research and innovation related to:

- Recycling technologies;
- Industrial waste reuse;
- Circular economy approaches;
- Sustainable materials management.

Research initiatives involving steel slag and industrial waste reuse shall be supported to promote environmentally sustainable industrial practices and resource recovery.

Responsibilities

University Administration

- Ensure effective implementation of this policy;
- Provide financial and technical support for waste management and recycling initiatives;
- Promote sustainable campus development strategies.

Facilities and Sustainability Departments

- Monitor waste management operations and recycling systems;
- Organize waste collection, sorting, and recycling activities;
- Conduct awareness campaigns and sustainability training programs.

Academic Departments and Laboratories

- Support recycling-related research and innovation activities;
- Promote environmentally responsible laboratory and educational practices.

Students and Staff

- Participate actively in waste separation and recycling programs;
- Minimize waste generation and use resources responsibly;

- Support university sustainability initiatives and comply with campus environmental regulations.

Monitoring and Evaluation

The University shall periodically monitor and evaluate the effectiveness of the 3R program through:

- Waste reduction assessments;
- Recycling performance indicators;
- Sustainability audits;
- Annual reporting and continuous improvement measures.

Implementation and Review

This policy shall be implemented across all university facilities and reviewed periodically to ensure alignment with technological developments, environmental standards, and institutional sustainability goals.

The University reserves the right to revise this policy to enhance waste management efficiency and environmental sustainability performance.

Effective Date

This policy shall become effective upon approval by the University Administration and shall remain in force until amended or replaced.

Dr. Bakhtiyor MARDONOV, prof.
Rector of the University