



**Non-commercial Joint-Stock Company
“Shakarim University of the City of Semey”**

Waste Minimization and Disposal Policy

Semey 2024

1. General Provisions

This Policy defines the main principles, goals, and responsibilities of the Non-commercial Joint-Stock Company “Shakarim University of the City of Semey” in the field of waste management, including waste containing hazardous substances.

The provisions of this Policy apply to all managers, teaching and research staff, employees, suppliers cooperating with the University, as well as students.

Waste management activities at the University are carried out in accordance with the environmental legislation of the Republic of Kazakhstan, internal regulatory acts, and international standards in the field of sustainable development.

2. Purpose

The Policy aims to establish unified standards and approaches to waste management, minimize its negative impact on the environment, and ensure the rational use of resources.

It also seeks to reduce the use of plastic in the University’s operations and decrease the volume of plastic waste.

3. Main Areas of Activity

Work with Hazardous Waste

- Organization of safe collection, storage, and separation of waste by type and hazard class.
- Transfer of hazardous waste (batteries, mercury lamps, chemical reagents, etc.) to licensed organizations.
- Compliance with environmental and sanitary safety requirements when handling such waste.
- Organization of a waste separation system by categories (paper, plastic, etc.) in academic and residential buildings.
- Responsible departments monitor the correctness of sorting and the regular removal of separated waste.

Minimization of Plastic Use

- Implementation of a system for collecting and recycling plastic waste for further educational and research use.
- Recycled plastic is used in 3D printing, including for the production of educational materials and engineering models.
- Recycling activities comply with environmental and sanitary regulations and are carried out as part of academic and research projects.
- Procurement from suppliers that use recyclable packaging.

Reduction of Single-Use Products

To reduce the negative impact on the environment and promote environmentally responsible behavior among staff and students, the University implements a range of measures aimed at phasing out single-use items and reducing resource consumption.

- Complete elimination of disposable plastic and paper tableware in canteens, cafés, and at University events.

- Encouragement of the use of reusable tableware and containers by both staff and students.
- Water dispensers in University buildings do not provide plastic cups.
 - The University offers branded reusable cups made from safe materials.
 - Awareness campaigns promote the use of personal reusable bottles and thermos cups.
 - Regular refilling of printer cartridges and reuse of printing supplies.
 - Use of electronic document management systems to reduce paper consumption.
 - Preference is given to refillable office supplies — e.g., purchasing pen refills instead of disposable pens

4. Training and Awareness

- Conducting training sessions, lectures, and information campaigns for students and staff to promote environmentally responsible behavior.
- Organizing environmental actions, competitions, and “green” initiatives to popularize the culture of waste sorting.
- Inclusion of topics on sustainable development and ecology in academic curricula and extracurricular activities.
- Conducting scientific research within startup projects and internal grants on sustainable development issues, including the recycling of organic and inorganic waste.

5. Cooperation with Recycling Companies

- Signing contracts with specialized licensed companies for the collection, removal, recycling, and disposal of waste.
- Monitoring further recycling processes to ensure transparency and environmental responsibility.
- Supporting the development of local recycling enterprises and environmental initiatives.

6. Control and Responsibility

Students and University staff are required to comply with waste management rules, maintain cleanliness on campus, and participate in the University’s environmental initiatives.

7. Final Provisions

This Policy is subject to regular review and updating, taking into account changes in legislation and the introduction of new waste management technologies.

Compliance with this Policy strengthens the University’s environmental reputation, contributes to the creation of a sustainable educational environment, and fosters a culture of responsible environmental behavior.