

Introduction

This policy has been developed to ensure the safe and efficient management of waste containing hazardous materials, in accordance with legal requirements and the principles of sustainable development. Its aim is to protect the health of students, staff, and the environment, while also reducing the risk of accidents and pollution on campus and in the city.

Goals and Objectives

1.1 Main Objectives

- Ensuring the safe management of hazardous waste throughout all stages, from generation to final disposal.
- Minimizing the impact on human health and the environment.
- Educating and raising awareness within the university community regarding proper waste disposal practices.

1.2 Tasks

- Developing effective procedures (in accordance with safety regulations) for the collection, storage, and disposal of hazardous materials.
- Establishing clear roles and responsibilities for all parties involved in the process.

Classification and Identification of Hazardous Waste

Classification

- **Chemical waste:** This includes reagents, solvents, and toxic chemicals.
- **Biological waste:** This category includes medical waste, pathogens, and other safe materials.
- **Electronic waste:** This contains heavy metals and other hazardous substances found in computers and other electronic devices.



2.2 Identification

- All hazardous materials must be clearly labeled, providing information about the type of waste, potential risks, and safe handling procedures.



Waste management processes

3.1. Waste collection

- Specialized containers: Ensure the use of colored and labeled containers for the collection of various types of hazardous waste.
- Regular monitoring: Carry out checks to prevent overfilling of containers.

3.2. Storage

- Safe storage areas: Install special rooms with access control and necessary conditions (ventilation, temperature).
- Safety standards: Follow the recommendations for safe storage depending on the type of waste (e.g. corrosive, flammable).

3.3. Utilization

- Partnership with licensed organizations: cooperation with certified companies to ensure the safe disposal of hazardous waste.

- Process documentation: Keep a record of all waste operations, including dates, volumes and disposal methods.



Action Plan

№	Scope of Application	Action	Terms
1	Strengthening the centralized hazardous waste management system	Strengthen the labor protection system	by 2026
2		Strengthen the hazardous waste management system	by 2030
3		Improve opportunities, programs and incentives for KazNU stakeholders in the field of hazardous waste management	regularly
4	Collection of hazardous waste	Classification of hazardous waste	regularly
5		Identification of hazardous waste	regularly
6		Installation of specialized containers	by 2026
7		Implementation of a regular monitoring system	by 2026
8	Storage	Organization of safe storage areas	by 2026
9		Following the recommendations and regulations for safe storage, depending on the type of waste	regularly
10	Utilization	Cooperate with certified waste management companies for safe disposal of hazardous materials	regularly

11		Record of all waste operations, including dates, quantities and disposal methods	regularly
12	Integration of scientific projects of the University	Development and implementation of projects in the field of hazardous waste management	regularly
13	Media campaigns/ training	Conduct trainings on hazardous waste management	regularly