

Waste management program of Zhetysu University named after Ilyas Zhansugurov

The main provisions The university has several programs: separate collection of paper and plastic; collection of batteries; disposal of waste, the removal of which to the landfill is prohibited by the Environmental Code (electronic waste, construction waste, mercury lamps).

Waste management contracts have been signed with companies providing services for the processing and disposal of various types of waste. E-waste, paper and plastic recycling projects have been implemented on campus.

1) A program to reduce paper usage. The Smart Zhetysu digital platform is a system for organizing higher and postgraduate education. OVPO, aimed at digitalization and automation of the main processes of the university. Various documents and reports are generated in digital format in the modules of the system. The university has document management (Documentolog software), corporate mail zu.edu.kz (Zimbra software).

For internal documents, the double-sided printing mode. This can significantly reduce paper usage, which means that the university can reduce CO2 emissions.

Using 2-sided paper, double-check your data before printing, use an online system instead of a paper copy.

2) Recycling of waste paper. Recycling waste paper is not just a step towards reducing our university's carbon footprint, but also a symbol of our responsibility to future generations. We are aware that every piece of paper that we send for recycling helps to reduce the negative impact on the environment. This allows not only to reduce the amount of waste, but also to reduce carbon emissions associated with the production of new materials. Thus, we are actively contributing to the creation of a more sustainable and environmentally friendly world, reaffirming our commitment to the principles of environmental responsibility and social justice.

3) Recycling of plastic waste . This project is a student startup. Recycling plastic waste into polymer-sand tiles for sidewalks is an example of a harmonious fusion of innovation and sustainable development. This process makes it possible to transform recycled materials into elegant and durable landscaping elements that not only beautify urban spaces, but also reduce the burden on the environment.

Each tile created from recycled plastic becomes not only a functional element, but also a symbol of our commitment to environmental responsibility. We contribute to the conservation of resources and create comfortable, aesthetically pleasing sidewalks that serve as a reminder of how important it is to take care of nature. This approach opens up new horizons for sustainable urban development, inspiring us to create a clean and beautiful future.

4) A program to reduce the use of plastic. Only reusable dishes are used in the canteens, and there is free access to drinking water.

5) Processing of organic waste

- Sawdust from the carpentry workshop is used in preparing plantings for winter, composting and construction.

- Sawdust, mown grass, and collected leaves are composted to produce compost, which is then used for planting.

- Organic waste from the canteen, which processes this type of waste completely autonomously, is fully used in pet food.

6) Disposal of toxic waste at the university. The disposal of toxic waste at the university is an important aspect of our environmental responsibility. In the course of scientific research and educational activities, we may encounter various chemicals that require special treatment. The creation of safe methods for the storage, treatment and disposal of such waste minimizes risks to the health of students, staff and the environment. The University is actively developing programs for the proper disposal of toxic waste, including training and informing the community about the necessary precautions.

7) Disposal of electronic waste at the university. The disposal of electronic waste at the university is a key element of our strategy for sustainable development. With the constant updating of technology, we regularly encounter outdated computers, phones, and other electronic devices. Organized measures to collect and recycle these wastes make it possible not only to free up space, but also to extract useful components, as well as to prevent environmental pollution. We encourage students and staff to recycle old electronics, contributing to the protection of our planet.

8) Disposal of construction and metallurgical waste at the university. The disposal of construction and metallurgical waste at the university plays an important role in educational and research projects. Significant amounts of waste are generated during the construction of new buildings and the reconstruction of existing facilities. We strive to minimize their impact on the environment through the use of modern technologies for recycling and reuse of materials. Metallurgical waste generated during educational processes and research also requires careful disposal. We implement practices aimed at their recycling and safe management, which allows not only to reduce the amount of waste, but also to educate students about a conscious attitude to resources. The University is actively working to create a sustainable infrastructure where every component is taken into account and gets a second life.

Our university has established a partnership with a trusted company for the disposal of municipal solid waste. Based on the concluded agreement, we ensure responsible and environmentally sound waste management, which confirms our

commitment to the principles of sustainable development and concern for the environment.

Director of the deportation

for infrastructure development

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