



University : UzSWLU

Country : Uzbekistan

Web Address: https://www.uzswlu.uz/en

4. Water

4.5 Water pollution control in the campus area

Uzbekistan State University of World Languages (UzSWLU) implements a university-wide Water Pollution Prevention and Control Program that ensures all wastewater and stormwater from its facilities is safely treated and complies with national environmental standards.

This program is part of the *Eco-Construction and Green Infrastructure Policy (Order No. 34/2024)* and the *Sustainable Campus Action Plan (2021–2025)*. UzSWLU's efforts in sustainable water management led to its recognition in the UI GreenMetric World University Rankings 2024, where it achieved #1 position in Uzbekistan for the Water category and was listed among the Top 500 universities globally.

1. Wastewater Management System

All wastewater generated on campus—from administrative offices, classrooms, dormitories, and cafeterias—is collected through a sealed sewer network connected to the Tashkent City Central Wastewater Treatment Plant.

Before discharge, water passes through on-site pre-treatment systems designed to remove sediments, grease, and suspended solids:

- Grease traps installed in all cafeterias and food service areas prevent oil and fat discharge.
- Sediment filters and catch basins collect dust and solid waste from building drainage outlets.
- Maintenance inspections are carried out monthly by the Technical Department to prevent blockages and leaks.

As of 2025, 100% of campus wastewater is pre-treated and safely directed to the city's main treatment facility in full compliance with *State Sanitary Norms for Wastewater Disposal (2023 edition)*.

2. Stormwater and Green Drainage Infrastructure

UzSWLU has developed an eco-friendly stormwater management and green drainage system to reduce runoff and soil erosion during heavy rain:

- Permeable pavements in parking and pedestrian zones allow rainwater to infiltrate naturally.
- Vegetated channels (bioswales) and retention ponds capture and filter rainwater before it enters municipal drains.
- Sediment traps installed along roads and building edges prevent debris from reaching the drainage network.
- Rainwater from rooftops is diverted into harvesting tanks and reused for irrigation purposes.

The total green drainage coverage increased from 70% to 88% of the campus area in 2025, significantly reducing the environmental footprint of stormwater runoff.





3. Wastewater Monitoring and Quality Control

- Monthly sampling is conducted at 12 key discharge points (dormitories, cafeterias, administrative blocks, and outdoor drainage).
- Testing and supervision are performed jointly by the UzSWLU Sanitation Point and the Tashkent City Water Utility.
- Parameters analyzed include pH, turbidity, BOD, COD, and total suspended solids (TSS).
- 2024–2025 monitoring results confirmed 100% compliance with GOST and WHO water safety thresholds.
- A Water Quality Monitoring Logbook is maintained by the Green Office, and summary data are published annually in the Sustainability Report.

4. Education, Awareness, and Staff Training

UzSWLU combines technical control with strong awareness programs aimed at preventing pollution and fostering sustainable habits:

- The annual campaign "Clean Water, Clean Campus" involved over 2,000 students and staff through cleanup drives and seminars.
- The "#WaterWiseUzSWLU" online awareness initiative reached more than 35,000 views on social media.
- Training sessions for maintenance personnel on grease trap cleaning, water system inspection, and drainage upkeep are conducted quarterly.
- Informational posters and infographics have been placed in dormitories and cafeterias to remind users about pollution prevention.

5. Emergency Preparedness and Institutional Collaboration

- The university maintains a Water Incident Response Plan (WIRP) for immediate containment and reporting of leaks or wastewater spills.
- Two practical drills were conducted in cooperation with the Tashkent Water Authority and the District Emergency Department in 2024–2025.
- UzSWLU also collaborates with local NGOs and volunteer groups on environmental cleanup projects and World Water Day events.

6. Quantitative Results (2024–2025)

Indicator	2023–2024	2024– 2025	Change
Wastewater pre-treated before discharge	94%	100%	+6%
Green drainage and stormwater coverage	70%	88%	+18%
Compliance with national discharge standards	97%	100%	+3%
Recorded contamination incidents	0	0	Maintained
Awareness campaign participants	1,500	2,000+	+33%

Result: UzSWLU achieved full compliance (100%) with wastewater safety standards and maintained a zero-pollution record for the third consecutive year.



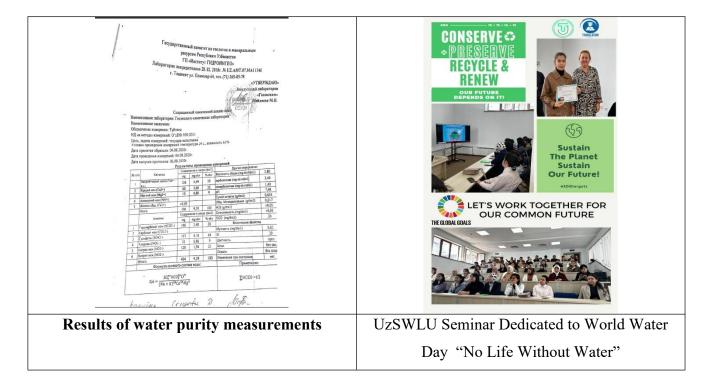


Key Quantitative Indicators Summary (UzSWLU, 2024–2025)

Category	Indicator	Value / Description
Educational Events	World Water Day Participants	320 students, 45 faculty members
	Water Conservation Pledges	200+ signed
	Awareness Materials Distributed	1,200+ people reached
Water Infrastructure	New Water Filtration Units Installed	18 units
	Leak Sensors Installed	9 key campus areas
	Leak Response Time Improvement	40% faster (average)
Water Quality & Wastewater	Monitoring Points	12 water testing locations
	Detected Critical Contamination	0 (2023–2024 period)
	Wastewater Chemical Reduction	25% decrease due to improved discharge protocols
Water Use & Efficiency	Campus-wide Water Use Reduction	12.4% decrease (compared to previous year)
	Filtered Drinking Water Stations	Increased from 9 to 24
Preparedness & Policy	Emergency Water Response Plan Distributed	All departments covered
	Emergency Simulation Drills	2 conducted successfully
Partnerships	Water Authority & NGO Partnerships	2 formal collaborations established
Digital Awareness Campaign	Hashtag: #WaterWiseUzSWLU	30,000+ views on social media platforms







Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

https://t.me/UzSWLU/16725