



University: UzSWLU
Country: Uzbekistan
Web Address: <https://www.uzswlu.uz/en>

[3] Waste (WS)

3.15 Total volume toxic waste treated this year

In 2025, Uzbekistan State World Languages University (UzSWLU) ensured the safe treatment and disposal of 2,560 kg ($\approx$ 2.56 tons) of toxic and hazardous waste — covering 100 percent of all toxic waste generated during the year.

All waste treatment activities were performed under strict compliance with national environmental safety standards and international best practices, ensuring zero contamination or safety incidents.

Breakdown by Treatment Method

Type of Toxic Waste	Volume Treated (kg)	Treatment Method	Responsible Entity
Fluorescent lamps (mercury vapor)	580	Collected and recycled	<i>EcoLight Tashkent</i>
Batteries and accumulators	350	Recycled / metal recovery	<i>EkoService Uz</i>
Expired laboratory chemicals	920	Neutralized and safely incinerated	<i>ChemUtil Tashkent</i>
Chemical residues and spills	600	Neutralized on campus under supervision	<i>Faculty of Natural Sciences</i>
Contaminated glass & gloves	110	Sterilized and disposed via municipal contractor	<i>Eco Techno Clean LLC</i>
Total Treated	2,560 kg ($\approx$ 2.56 tons)	100% treated and documented	—

Treatment and Monitoring System

- All hazardous materials were treated through licensed disposal contractors registered under the Ministry of Ecology, Environmental Protection, and Climate Change.
- EcoLight Tashkent, ChemUtil Tashkent, and EkoService Uz handled collection, transport, and neutralization of chemical and electrical waste.
- Small-scale laboratory residues were neutralized on campus in controlled conditions under the supervision of the Department of Natural Sciences.
- All treatment data were recorded in the UzSWLU Green Data Portal, including disposal certificates, treatment volume logs, and contractor verification forms.
- Waste treatment performance was reviewed quarterly by the university's Environmental Safety Committee.

Key Achievements in 2025



- 100% of toxic waste treated through safe and regulated procedures.
- Zero environmental incidents or chemical leaks recorded.
- Digital documentation of all treatment certificates via the Green Data Portal.
- Introduction of eco-friendly neutralization protocols reducing acid-base use by 15%.
- Training sessions for 150 staff and 200 students on toxic waste handling and emergency procedures.

Environmental and Educational Impact

Indicator	2024	2025	Change
Total toxic waste generated	2,840 kg	2,560 kg	▼ –10%
Treated waste	2,840 kg	2,560 kg	▼ –10%
Share safely treated	100%	100%	—
CO ₂ -equivalent reduction	—	≈ 1.5 tons saved	New
Safety incidents	0	0	Maintained

- Full compliance with national and international safety standards (ISO 45001).
- 1.5 tons of CO₂-equivalent emissions avoided through improved neutralization efficiency.
- Practical learning integration: laboratory classes now include a “*Safe Chemical Waste*” module for environmental literacy.

Contribution to SDGs

This initiative supports:

- **SDG 3 – Good Health and Well-being**, through safe handling of toxic materials;
- **SDG 12 – Responsible Consumption and Production**, by ensuring responsible hazardous waste management;
- **SDG 13 – Climate Action**, via measurable reduction in toxic emissions.



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