

Does your university as a body have processes to prevent polluted water entering the water system, including pollution caused by accidents and incidents at the university?

Azerbaijan State Oil and Industry University (ASOIU) has introduced comprehensive procedures to prevent polluted water from entering the water supply system, with a strong focus on environmental protection and health safety. The main measures include:

1. Filtration of Main Water Supply

The primary water entering ASOIU facilities is filtered before use. Clean water and wastewater systems within the university buildings are separated, and each section is equipped with emergency shut-off mechanisms that can be activated during incidents to safeguard clean water from contamination.



2. Chemical Waste Management

All chemical waste generated in university laboratories is collected and transported off-campus for proper disposal in accordance with national regulations and ASOIU's internal Waste Management Guidelines. Periodic assessments are carried out to ensure that the water provided on campus fully complies with drinking water safety standards.



3. Separation of Sewage and Rainwater System

ASOIU's infrastructure ensures that sewage and rainwater collection networks are independent of each other. Wastewater from toilets and washbasins is directed into the university's sewage line and further discharged into the municipal sewage system through pumping stations. Rainwater, on the other hand, is collected and directed into infiltration systems, and during heavy rainfall, excess water is safely discharged into the municipal rainwater drainage network.



4. Groundwater Use for Irrigation

The university's green areas are supported by groundwater sources. Wells provide water for irrigating campus greenery, which is maintained through an automated irrigation system operating mainly at night to minimize evaporation. A drip irrigation system is also applied, delivering water directly to plant roots and significantly reducing consumption. In addition, ASOIU prioritizes the planting of drought-resistant species to enhance ecological sustainability.



5. Monitoring and Reporting

Regular monitoring of water quality is conducted at ASOIU. Samples are collected and analyzed at defined intervals to ensure compliance with safety and environmental standards. The results are documented and reviewed by relevant authorities to guarantee the continued safety of the university's water systems.

<https://asoiu.edu.az/upload/sustainability/sdg/sdg6/Su%20keyfiyyetinin%20analiz%20neticeleri.pdf>