



# Port Said University Water Quality Standards and Discharge Guidelines Policy



## Policy Overview

Port Said University (PSU) is dedicated to maintaining high water quality standards on campus, both to protect public health and to minimize environmental impacts. This policy sets out the standards and guidelines for all water discharges from campus facilities, ensuring compliance with national and international environmental regulations and promoting the sustainable management of campus water resources.

## Objectives

1. **Protect Public Health and Ecosystems:** Ensure that water discharges meet safety and environmental standards to safeguard both human health and the surrounding natural environment.
2. **Comply with Regulatory Standards:** Align with Egyptian environmental regulations and international water quality guidelines.
3. **Promote Water Sustainability:** Minimize the volume of wastewater produced on campus and improve water reuse and recycling practices.

## Policy Guidelines

### 1. Water Quality Standards

- All water discharged from PSU facilities must meet or exceed the national water quality standards as set by Egyptian environmental authorities.
- Regular testing of discharge water will be conducted to ensure that levels of contaminants such as pH, biological oxygen demand (BOD), chemical oxygen demand (COD), and heavy metals remain within acceptable limits.
- PSU will adhere to international guidelines (such as WHO guidelines) if they set more stringent limits, aiming to exceed minimum regulatory standards.

### 2. Monitoring and Testing

- Water quality monitoring stations will be established at key discharge points on campus to regularly test and document water quality.

- Testing will be conducted by certified laboratories on a monthly basis, with additional tests following any maintenance or infrastructure changes that might impact water quality.
- PSU's Environment and Sustainability Office will maintain records of all testing and submit reports to regulatory bodies as required.

### **3. Wastewater Management and Treatment**

- All wastewater generated on campus must be processed through appropriate treatment systems before being discharged.
- PSU will invest in and maintain state-of-the-art water treatment systems designed to remove pollutants and contaminants, ensuring that discharged water meets high safety standards.
- Treated water will be reused on campus for purposes such as landscape irrigation where possible, reducing the volume of water discharged.

### **4. Spill Prevention and Emergency Response**

- Procedures will be in place for spill prevention, especially in laboratories and facilities that handle chemicals or hazardous substances.
- An emergency response plan will be established for accidental spills or contamination, including rapid testing, containment, and clean-up procedures to mitigate any negative impacts on water quality.

### **5. Training and Education**

- PSU will conduct regular training for staff and students on best practices for water conservation, proper waste disposal, and minimizing water pollution.
- Awareness programs will be launched to educate the PSU community about the importance of water quality and how their actions can affect discharge standards.

### **6. Reporting and Compliance**

- Non-compliance incidents will be documented, and immediate corrective action will be taken to address any violations of water quality standards.
- Regular reports detailing water quality monitoring, incidents, and improvements will be made available to the public and submitted to the relevant regulatory bodies as required.

### **7. Continuous Improvement**

- This policy will be reviewed biennially to incorporate technological advancements in water treatment and updated regulatory requirements.
- PSU will explore opportunities for partnerships with environmental organizations and research institutions to enhance water quality management on campus.

## Policy Enforcement

The PSU Environment and Sustainability Office is responsible for enforcing this policy, in coordination with facility management and laboratory departments. Violations will be subject to disciplinary action, including possible suspension of laboratory activities or facility use until compliance is restored.

Port Said University is committed to being a responsible steward of water resources, ensuring that our practices contribute positively to environmental sustainability and public health.

