

WATER CONSERVATION POLICY

Version 2 .2024



Water Conservation Policy for Arab International University

Introduction

Arab International University is concerned with the management and conservation of water resources in a responsible manner. Realizing the importance of the use of water in a sustainable manner, this policy states our commitment to reduce consumption, prevent waste, and increase efficiency in water usage in all university operations.

1. Water Metering and Monitoring

AIU has installed modern and state-of-the-art water metering system to measure water consumption on campus. This water metering system updates in real-time, allowing us to zero in our conservation efforts in the high-usage areas. Regular monitoring also allows us to observe our progress to achieve the desired objectives regarding water conservation.

2. Wastewater Treatment and Management

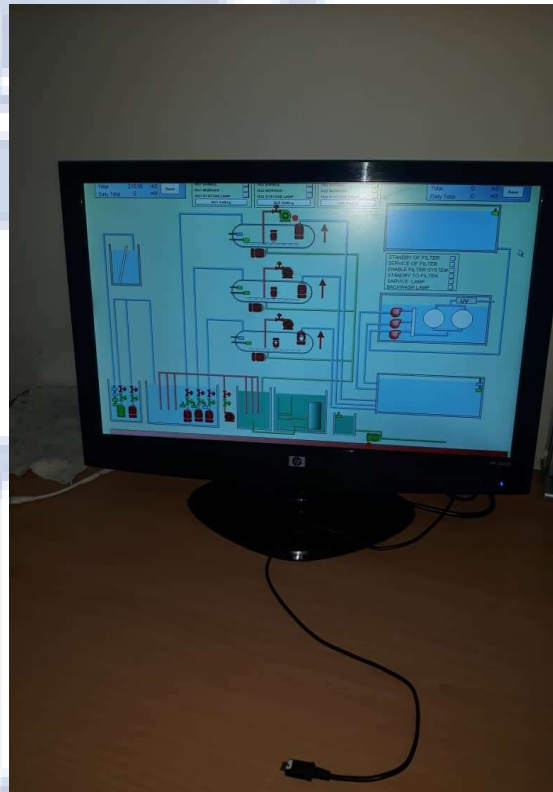
The university runs an upgraded wastewater treatment plant that treats all



wastewater generated from campus. After treatment, the water that meets the high standards set by environmental regulations is discharged or safely reused for irrigation purposes or other non-potable applications. All measures are taken to avoid leaking the treated wastewater into sources of drinking water.



A



B

**Fig 1: A: Showing Waste Water Treatment plant.
B: Showing Control and Monitoring Panel for the Station.**

3. Drinking-Water Provision

AIU has installed drinking water fountains in easily accessible places around campus to encourage sustainable hydration habits. This allows students and staff access to clean, safe drinking



water easily and thus minimizes the need to rely on bottled water to reduce plastic waste.



4. Water-Saving Fixtures

AIU is committed to water-efficient fixtures use in conserving water. Restrooms and other facilities have been fitted with push-button faucets to limit the use of water and eliminate the wastage of water. The buttons automatically shut off after certain time since water will be used only if opened.



A



B

**Fig 3: A: Showing Push Button Faucet.
B: Showing Double Buttons Toilet seat.**

In AIU, irrigation systems in the green areas and landscaping employ drip irrigation systems that let loose water directly into the plant's roots. This structure minimizes evaporation and runoff processes. That is why our green spaces appear so healthy and full of life with minimum use of water.



Fig 4 : Showing The Drip Irrigation System to water the plants.

6. Rainwater Harvesting

AIU has installed rainwater collection systems that collect and reuse rainwater. Collected rainwater is stored and utilized for irrigation and other non-potable purposes, reducing our reliance on municipal water supplies and enhancing overall water sustainability.

7. Monitoring and Reducing High Water Consumption

To this end, AIU constantly monitors high water usage areas and has implemented measures for its reduction, which include regular audits, maintenance of water systems, and education of students and staff in better practices of water saving.



Conclusion

AIU is committed to leading from the front in the conservation and sustainability of water. The all-inclusive approach towards water management strategies will reduce the impact on the environment and instill a culture of responsibility in the use of water. In this connection, we can ensure a safe, sustainable future for our university and the community at large by monitoring, managing, and continuously improving in conserving water.

