University : Al-Mustaqbal University (formerly name: Al-Mustaqbal University College)

Country : Iraq

Web Address : https://uomus.edu.iq/Home/Index

6.3.4: Water-conscious building standards, Year: in place by 2023: Apply building standards to minimize water use

Link to the public evidence:

https://sustainability.uomus.edu.iq/SDG_Hub/Goals/6

Al-Mustaqbal University strictly follows the Iraq Water resources conservation system https://wiki.dorar-aliraq.net/iraqilaws/law/1402.html

1- **Water saving fixtures**

As part of its water conservation initiatives, Al-Mustaqbal University has installed **353 motion-sensor faucets, 540 water-efficient flush basins, and 540 shut-off nozzles** across campus facilities. These water-saving technologies help minimize water wastage, improve consumption efficiency, and promote sustainable water resource management in support of **SDG 6**.



2- **Water Leakage Inspection and Preventive Maintenance Program**

Al-Mustaqbal University incorporates regular inspection and preventive maintenance into its water-conscious building management practices. The proposed monthly inspection framework covers water supply pipelines, sanitary fixtures, storage tanks, control valves, and irrigation networks. It aims to facilitate early leakage detection, timely corrective maintenance, and reduced water losses across campus facilities. Table X provides a structured inspection and maintenance schedule for 2025 to support systematic documentation and continuous improvement in water-use efficiency.

AL-MUSTAQBAL UNIVERSITY

Monthly Water Leakage Inspection and Preventive Maintenance Log – 2025

Date	Inspection location/Area	Inspection Activity	Proposed Corrective Action
15 Jan 2025	Academic Building 1,5,6	Inspect faucets and plumbing connections	Repair or replace leaking fixtures as required
15 Feb 2025	Medical Buildings	Inspect flushing systems and shut-off valves	Adjust or replace defective valves
15 Mar 2025	Engineering Buildings	Inspect water pipelines and joints	Repair identified leaks
15 Apr 2025	Administrative Buildings	Check water meters and consumption patterns	Investigate abnormal consumption
15 May 2025	Laboratories	Inspect laboratory water supply connections	Repair defective fittings
15 Jun 2025	Water Storage Tanks	Inspect tanks, valves, and connections	Seal leaks and maintain fittings
15 Jul 2025	Campus Distribution Network	Inspect pipelines and water pressure	Repair leaks and adjust pressure controls
15 Aug 2025	Student Facilities	Inspect faucets and flushing systems	Replace defective components
15 Sep 2025	Academic Building 2,3,4	Inspect water-efficient sanitary	Clean, adjust, or repair fixtures

		fixtures	
15 Oct 2025	Irrigation Network	Inspect irrigation pipes and control valves	Repair leaks and adjust irrigation controls
15 Nov 2025	RO Water Supply Network	Inspect distribution pipes and connections	Repair leaks and maintain connections
15 Dec 2025	All Campus Buildings	Annual inspection of water supply systems	Document findings and prepare maintenance recommendations