Template for Evidence(s)
UI GreenMetric Questionnaire

University : Samarra
Country : Iraq
Web Address : www.uosamarra.edu.iq

[4] Water (WR)

[4.5] Water pollution control in campus area

Water quality sampling and monitoring at University of Samarra

Description:

The University of Samarra is committed to reducing water pollution and enhancing sustainable water management practices in alignment with the 2026 UI GreenMetric criteria. The university applies integrated environmental policies aimed at protecting campus water resources, improving wastewater management systems, and preventing contamination from laboratory, domestic, and operational activities.

Water Pollution Control Policy

The University of Samarra has established environmental policies and operational procedures to prevent water pollution within campus areas. These policies focus on:

- Monitoring water quality regularly.
- Preventing untreated wastewater discharge.
- Reducing hazardous liquid waste.
- Enhancing wastewater recycling and treatment.

• Supporting environmentally sustainable campus infrastructure.

The university cooperates with local governmental and environmental authorities to maintain the quality
of surface water and groundwater resources surrounding the university campuses.

Wastewater Treatment and Recycling

The university utilizes wastewater treatment and microfiltration systems to reduce pollutants before water is discharged or reused. Treated wastewater is reused in irrigation and non-potable activities whenever possible to reduce freshwater consumption.

The campus applies:
• Wastewater monitoring systems.
• Domestic wastewater treatment units.
• Water filtration and microfilter technologies.
• Controlled discharge systems.
• Sustainable reuse practices for treated water.

Water Quality Monitoring Activities

Routine water quality monitoring is conducted by relevant scientific departments and laboratories at the University of Samarra. Monitoring programs evaluate:
• pH levels.
• Total dissolved solids (TDS).
• Biological Oxygen Demand (BOD).
• Turbidity.
• Water contamination indicators.

These activities support environmental protection and ensure compliance with sustainability standards.

Sustainability and Environmental Impact

The implementation of water pollution control systems contributes to:
• Improving campus environmental quality.
• Reducing risks of water contamination.
• Supporting sustainable development goals (SDGs).
• Enhancing environmental awareness among students and staff.
• Improving institutional sustainability performance under UI GreenMetric rankings.

Supporting Evidence and Official Links

https://uosamarra.edu.iq.

https://uosamarra.edu.iq/sustainable-dev.