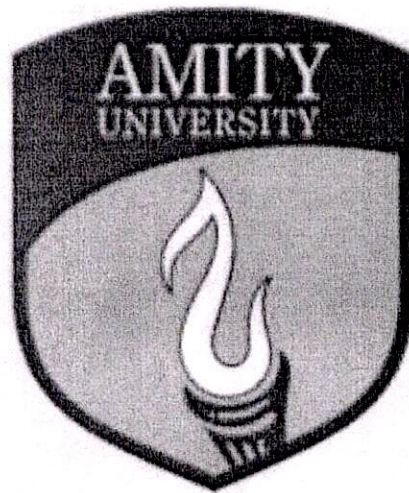


AMITY UNIVERSITY MADHYA PRADESH



**Standard Operating Procedures (SOP) for Policy on Zero
Liquid Discharge
(Total 3 pages)**



Ref. No. : AUMP/RO/2023/70(a)

Date : 20.02.2023

Policy for Zero Liquid Discharge (ZLD)

1. Preamble

Amity University Madhya Pradesh (AUMP) is committed to sustainable environmental practices and responsible water management. Recognizing the critical importance of water conservation and pollution control, the University has adopted a **Zero Liquid Discharge (ZLD) Policy** to ensure that no untreated or contaminated water is discharged outside the campus boundaries. This policy aligns with the **Central Pollution Control Board (CPCB)** and **Madhya Pradesh Pollution Control Board (MPPCB)** guidelines, and supports **Sustainable Development Goal (SDG) 6 Clean Water and Sanitation**.

2. Objectives

- To achieve **zero discharge of wastewater** from all campus operations.
- To **treat, recycle, and reuse** all wastewater generated on campus.
- To minimize the university's **water footprint** and dependence on freshwater sources.
- To ensure **regulatory compliance** with national and state environmental standards.
- To promote **environmental awareness** and sustainable practices among students, faculty, and staff.

3. Scope

This policy applies to all university facilities, including:

- Academic and administrative blocks
- Hostels and residential quarters
- Laboratories and workshops
- Canteens and cafeterias
- Landscaping and horticultural zones

4. Key Components

4.1 Wastewater Collection and Segregation

- All wastewater generated within the campus is categorized as:
 - ✓ **Greywater:** from hostels, canteens, wash basins, etc.
 - ✓ **Laboratory wastewater:** pre-treated to neutralize chemical and biological contaminants.
 - ✓ **Sewage wastewater:** from toilets and washrooms.

- A dedicated **sewer network** conveys wastewater to the **Sewage Treatment Plant (STP)** for processing.

4.2 Sewage Treatment Plant (STP) Operation

- The AUMP campus operates a **100% functional STP** with adequate capacity to handle total campus wastewater.
- Treatment includes **primary, secondary, and tertiary** processes to ensure effluent meets CPCB norms.
- Treated water is regularly tested in the **Environmental Science Laboratory** for pH, BOD, COD, and TSS parameters.

4.3 Reuse and Recycling

- **Treated wastewater** is reused for:
 - ✓ Horticulture and landscape irrigation
 - ✓ Flushing in toilets via dual plumbing systems
 - ✓ Floor washing and non-potable cleaning applications
- **Zero discharge** is ensured by preventing any treated or untreated water from leaving campus premises.

4.4 Rainwater Harvesting and Groundwater Recharge

- The university maintains **rainwater harvesting structures and percolation pits** to recharge groundwater aquifers.
- Rooftop rainwater collection is integrated with recharge pits around academic and hostel buildings.

4.5 Monitoring and Compliance

- Monthly monitoring of water quality and quantity is carried out by the **Environmental Management Cell (EMC)**.
- Annual third-party audit is conducted for ZLD compliance.
- Reports are submitted to the **Registrar and Campus Development Committee**.

5. Roles and Responsibilities

Authority	Responsibility
Director Administration	Overall implementation and monitoring of the ZLD policy.
Campus Engineer (Estate Office)	Maintenance and operation of STP and rainwater systems.
Faculty & Students	Responsible use of water and participation in water conservation drives.

6. Awareness and Capacity Building

- Periodic workshops and awareness campaigns (e.g., **World Water Day, Swachhata Pakhwada**) are organized to promote water conservation.
- Posters and digital boards display "**Save Water – Reuse Every Drop**" messages across campus.

7. Review and Amendment

This policy shall be reviewed **biennially** or as directed by regulatory authorities to incorporate technological and environmental advancements.

8. Declaration

Amity University Madhya Pradesh affirms its commitment to achieving and maintaining **Zero Liquid Discharge status** through continuous improvement and community participation.

Approved By	Hon' ble Pro Chancellor, AUMP
Date of Approval	20.02.2023
Review date	


Registrar
20/02/23

Copy to :

1. Hon'ble Vice Chancellor Secretariate
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