

Policy for Maximizing Water Reuse

1. Introduction

St. Peter's Institute of Higher Education and Research (SPIHER) is committed to protecting the environment and using natural resources responsibly. Water is one of our most precious resources, and this policy outlines how the institution will reuse, recycle, and conserve water across the campus. The aim is to reduce wastage, promote sustainability, and build a culture of responsible water use among students, staff, and visitors.

2. Objectives

- To reduce overall water consumption on campus through reuse and recycling.
- To treat wastewater safely and use it for non-potable activities.
- To encourage sustainable water practices among all campus members.
- To support SPIHER's commitment to environmental protection and NAAC/SDG goals.

3. Scope

This policy applies to all campus users, including students, faculty, staff, administrative offices, hostels, laboratories, gardens, and external contractors.

4. Key Initiatives for Water Reuse

4.1 Sewage Treatment Plant (STP) Water Reuse

- Treated water from the STP will be reused for:
 - Gardening and landscaping
 - Toilet flushing
 - Road cleaning
- Regular monitoring will ensure water meets safety standards.

4.2 Rainwater Harvesting

- Rainwater harvesting structures will collect and store rainwater across campus buildings.
- Stored rainwater will be used for groundwater recharge and non-potable purposes.

4.3 Greywater Recycling

- Water from washbasins and wash areas will be filtered and reused for gardening wherever feasible.

- Departments and hostels will be encouraged to implement small-scale greywater reuse systems.

4.4 Laboratory and RO Wastewater Recovery

- RO reject water will be reused for floor cleaning, pre-washing, and gardening.
- Labs will adopt low-water-use cleaning methods and reuse non-contaminated water where possible.

4.5 Smart Irrigation Practices

- Gardens will follow:
 - Drip irrigation systems
 - Scheduled watering (early morning & evening)
 - Use of treated water only
- Water-intensive plants will be replaced with drought-tolerant species.

5. Awareness and Capacity Building

- Workshops, posters, and classroom awareness sessions will be conducted to educate the campus community and off campus on water reuse.
- “Water Reuse Week” will be organized annually to promote sustainable habits.

6. Roles and Responsibilities

- **Estate/Facilities Department:** Operate and monitor STP, rainwater systems, and greywater reuse.
- **Department Heads:** Ensure efficient water practices within departments and labs.
- **Students & Staff:** Follow good water-use habits and report leakages or wastage immediately.
- **Cleaning Contractors:** Use treated/STP water for suitable cleaning tasks.

7. Monitoring and Evaluation

- Monthly audits of water consumption and STP output.
- Annual report highlighting water saved, systems upgraded, and awareness programs conducted.
- Corrective actions taken promptly in case of system failures or wastage.

8. Compliance



All campus stakeholders must comply with this policy. Non-compliance will invite corrective measures from the administration.

9. Review of Policy

This policy will be reviewed once every two years to incorporate improvements, new technologies, and sustainability requirements.

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01/02/2024

Registrar



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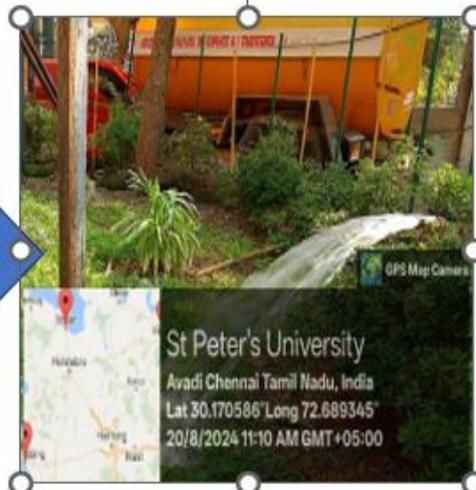
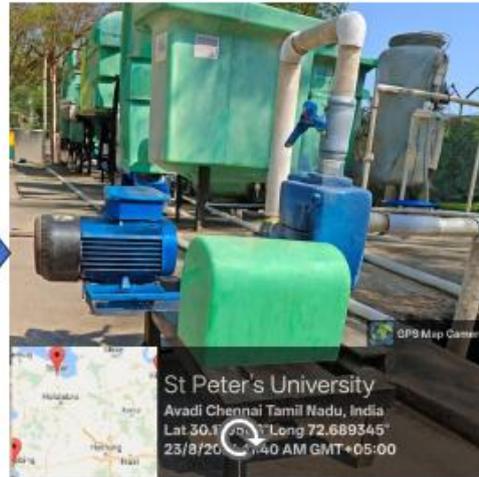
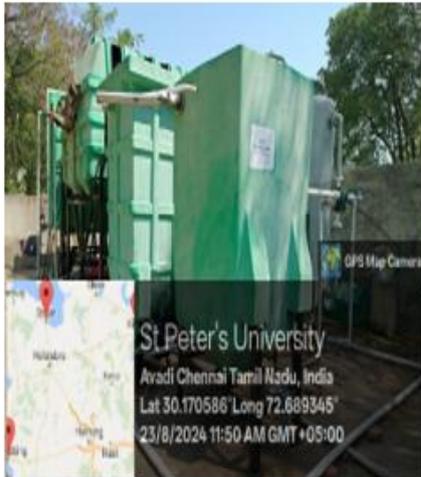
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Revision 1:	-	REGISTRAR

SDGs Directly Supported:

- SDG 6 – Clean Water and Sanitation
- SDG 12 – Responsible Consumption and Production
- SDG 13 - Climate Action

SDGs Indirectly Supported:

- SDG 3 – Good Health and Well-being
- SDG 7 – Affordable and Clean Energy
- SDG 9 – Industry, Innovation and Infrastructure
- SDG 14 – Life Below Water
- SDG 15 - Life on Land



STP Collecting Liquid Waste

Process of Treating Liquid Waste

“Campus Sewage Treatment Plant (STP) enabling efficient wastewater treatment, reuse, and compliance with environmental sustainability standards.”

SPIHER is committed to using water responsibly and reducing its overall environmental impact by maximising water reuse across all its campuses. This means the institution actively works to install systems like rainwater harvesting, greywater recycling, and other reuse technologies in buildings, landscaping, and operational facilities wherever practical. New construction projects are designed with water-efficient features in mind, and existing facilities are upgraded when feasible to reduce dependence on potable water. The University also promotes responsible water use among staff and students through awareness initiatives and supports research and innovation that advance sustainable water management. Overall, the goal is to significantly cut water consumption, reduce waste, and ensure a more sustainable and resilient campus environment.

Conclusion

In conclusion, SPIHER's commitment to maximising water reuse reflects its broader dedication to sustainability and responsible resource management. By integrating efficient technologies, promoting mindful water use, and continuously improving its practices, the University aims to reduce its environmental footprint while setting a strong example for future-focused stewardship. This approach not only supports long-term campus resilience but also reinforces the institution's role as a leader in sustainable development.