



國立勤益科技大學
NCUT
NATIONAL CHIN-YI UNIVERSITY OF TECHNOLOGY

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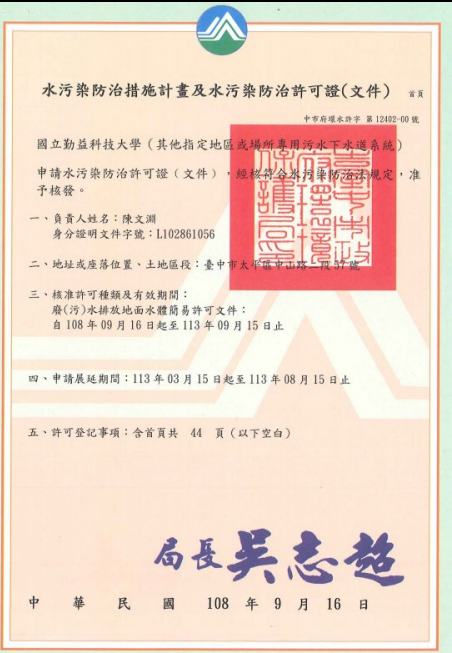
[SDG6] Clean Water and Sanitation

[SDG6.3.1] Does your university as a body have a process in place to treat waste water?

National Chin-Yi University of Technology (NCUT) has implemented a comprehensive and sustainable water management strategy, with key initiatives focused on responsible treatment, recycling, and regulation compliance. Here are the primary points:

1. **Sewage Treatment Plant:** NCUT has a state-of-the-art sewage treatment facility designed to process wastewater generated across the campus, including from experimental sites. The wastewater undergoes physical, chemical, and biological treatments to meet the strict discharge standards outlined in Taiwan's Water Pollution Prevention and Control Law.
2. **Regulatory Compliance:** NCUT operates its sewage treatment plant under a government-issued sewage discharge permit, ensuring compliance with all relevant environmental laws. NCUT submits regular reports on water quality and quantity to the Environmental Protection Agency (EPA) and adheres to EPA oversight. To date, NCUT has maintained full compliance without any violations.
3. **Water Recycling and Conservation:** After being treated, 40% of the water is recycled as gray water, which is then used for irrigating campus greenery, such as flowers, trees, and other plants. This recycled water also serves as the primary source for maintaining Mingxiu Lake, demonstrating NCUT's commitment to water conservation. The remaining treated water is safely discharged into Han Creek.

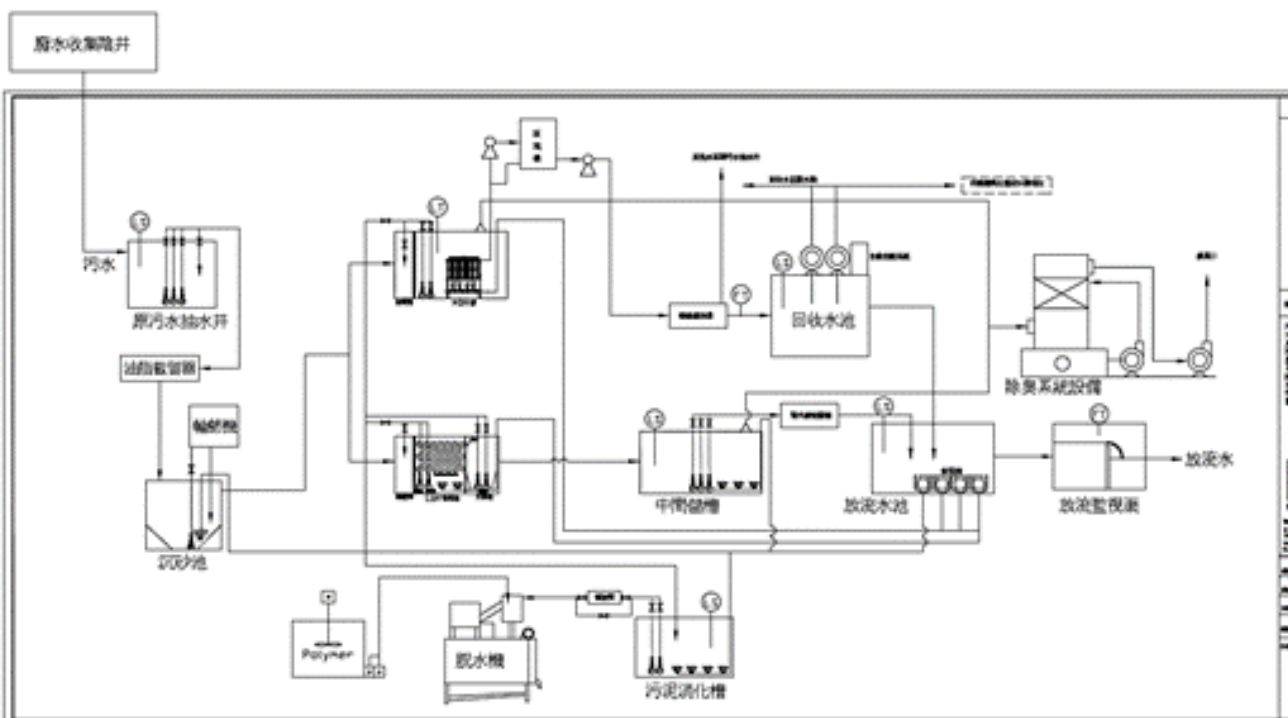
NCUT's proactive approach to water management ensures environmental sustainability and aligns with global standards for responsible water use, promoting both conservation and regulatory adherence on campus.



Sewage plant treatment equipment

Environmental Protection Agency Approval of Permit

NCUT has a sewage treatment plant, which is responsible for the sewage treatment and laboratory wastewater of the whole school. The sewage is partially recycled and reused according to regulations, and the rest is discharged from the discharge port.



國立勤益科技大學污水處理廠系統流程圖

承包商: 福崧實業股份有限公司

Sewage treatment flow chart



Guoxiu Teaching Building Rainwater Recovery System, NCUT



Water recycling pool

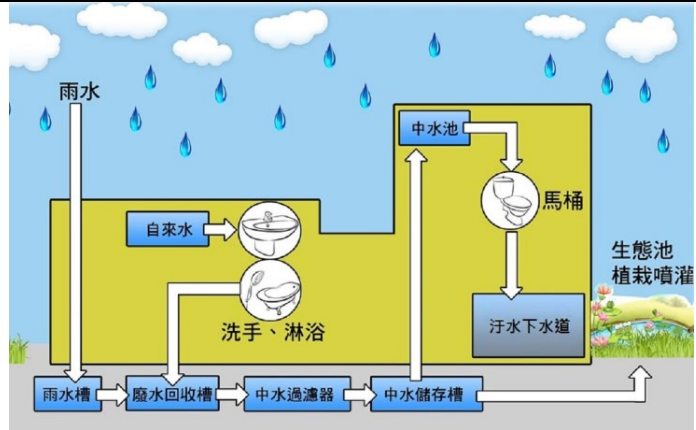


Recycled Water Filtration Equipment





The Mingxiu Lake of NCUT can be used as an ecological lake at the campus, and it also has a function of detention ponds, which can regulate the amount of water.



Sewage treatment plant recycles reclaimed water

SOP for NCUT Waste Water Treatment

NCUT's Standard Operating Procedure (SOP) for wastewater treatment is an essential document outlining the university's procedures and protocols for treating sewage generated within the campus. It demonstrates a commitment to environmental responsibility and compliance with relevant regulations, particularly the Water Pollution Control Law. Here is a summary of the key points in the SOP:

1. Purpose:

The primary objective is to treat NCUT's campus sewage using biological treatment methods to ensure that the discharged water meets the legal discharge standards.

2. Applicable Regulations:

The SOP aligns with the Water Pollution Control Law, which sets legal requirements and standards for wastewater treatment and discharge.

3. Scope:

The SOP applies to sewage generated from buildings located on the NCUT campus.

This SOP serves as a critical guide for NCUT in managing its wastewater responsibly, safeguarding the environment, and complying with relevant legal requirements. It reflects the university's commitment to sustainable practices and environmental protection.

