



University : National Chin-Yi University of Technology
Country : Taiwan
Web Address : www.ncut.edu.tw

[SDGs 6] Clean Water and Sanitation

[6.3.2] Does your university as a body have processes to prevent polluted water entering the water system, including pollution caused by accidents and incidents at the university?

NCUT has established an "**Energy Management Committee**" with the Vice President serving as the convener. This committee holds regular meetings to oversee various tasks related to energy management. Its responsibilities include:

Reviewing the school's energy conservation goals and work plans.

Evaluating the effectiveness of the school's energy conservation control measures and methods.

1. Assessing energy conservation education and training courses offered by the university.
2. Addressing other matters related to energy conservation within the institution.

By convening regular committee meetings and addressing these tasks, NCUT demonstrates its commitment to effective energy management and sustainability practices.

The water source of NCUT is supplied by the water company to the water towers of all buildings in the school. It is an independent pipeline. After each building's sewage flows to the sewage tank, it is pumped by the sewage motor to the sewer of Chin-Yi Avenue, and is led to the sewage treatment plant by gravity flow. The drinking water pipeline is isolated.

NCUT is committed to preventing water pollution on campus through an integrated water quality management and pollution control system. In alignment with the Water Pollution Prevention and Control Act of Taiwan, the university has adopted proactive measures to ensure that all wastewater generated on campus is properly treated and discharged without harming the environment.

Key Measures Implemented:

1. Sewage Treatment Plant

- NCUT has established an on-campus sewage treatment facility responsible for collecting all domestic sewage and laboratory wastewater.
- The wastewater undergoes a three-stage treatment process—physical, chemical, and biological—to ensure it meets national discharge standards before being released or reused.

2. Government-Certified Discharge Permit

- The treatment plant holds a valid water discharge permit issued by the government.
- Regular reporting of water quality and volume is submitted to the Environmental Protection Bureau, which conducts inspections to ensure full compliance.

3. Water Quality Monitoring



- Biannual water quality testing is conducted for all treated wastewater to verify safety and regulatory compliance.
- Real-time data from digital water meters also helps detect and respond to abnormal discharge conditions

4. Pollution Source Control

- Laboratory wastewater is segregated, pre-treated, and stored in designated tanks before being transferred to the central sewage system.
- Hazardous chemical disposal protocols are strictly followed, including container labeling, SDS documentation, and controlled drainage systems to prevent contamination.

5. Recycling and Reuse

- After treatment, approximately 40% of the reclaimed water is reused for irrigating campus green spaces and supplying Mingxiu Lake—further minimizing discharge into natural water bodies.

Results and Achievements:

- Zero violations of water pollution laws to date
- Effective reuse of treated water, reducing total wastewater discharge
- Maintained high standards of campus environmental hygiene and water safety

Contribution to the Sustainable Development Goals (SDGs):

SDG	Contribution
SDG 6 – Clean Water and Sanitation	Ensures clean and safe wastewater discharge through controlled treatment processes
SDG 12 – Responsible Consumption and Production	Recycles water safely, minimizing environmental impact
SDG 13 – Climate Action	Reduces pollution and promotes climate-resilient infrastructure

Supporting Evidence:

- [【SDG 6】淨水與衛生 Clean Water and Sanitation](#)
- [315447334.pdf](#)
- [水質檢驗](#)
- Environmental audit records submitted to the EPA



興亞環保科技股份有限公司
行政院環境保護署許可證字號：環署環檢字第 201 號
檢驗室地址：台中市西屯區工業區七路11號1樓 電話：04-23507275 傳真：04-23507280

水質樣品檢測報告

客戶名稱：勤益科技大學 專案編號：MR112WA00831
行業別：大學校院(大學校院) 報告編號：MR112WA00831
採樣單位：興亞環保科技股份有限公司 採樣日期：112年05月12日
採樣方法：NIEA W109.53B 收樣日期：112年05月12日
採樣地點：臺中市西屯區坪林里中山路二段57號 報告日期：112年05月24日
採樣行標編號：MRWA23050960 聯絡人：曾仁滔

樣品編號	WA112051213		檢測方法	最大限值	備註
	-01	-02			
採樣時間	10:47-10:58	10:36-10:45			
樣品名稱(特性)	原水水(池)	放流水(池)			
檢測項目	單位	檢測值			
水溫	°C	7.8, 28.2	NIEA W424.53A	*	
懸浮固體	mg/L	11.7, 11.5	NIEA W217.51A	*	
化學需氧量	mg/L	102, 72.3	NIEA W515.55A	*	
生化需氧量	mg/L	37.5, 16.7	NIEA W519.55B	*	
大腸桿菌群	CFU/100mL	<10, <10	NIEA B202.55B	*	
以下空白					

備註：1.本報告共 1 頁，分發使用無誤。
2.關於方法檢測限之測定值以“ND”表示，並於圖註明其方法檢測限(MDL)。
3.低於定量限值大於方法檢測限之數值，以“Q”表示亦在說明其測量保證。
4.僅此報告為執行保證，本報告僅對樣品負責，不保證其複製及作為法律用途之用，測值僅供參考。
5.當數據與客戶提供之資料不符時，實為客戶所提供之資料不正確所致，本報告僅對樣品負責。
6.當檢驗數據與法規不符時，本報告僅供參考，不作為法律依據。
7.水質檢驗系統資料：進水時間 10:34-11:00

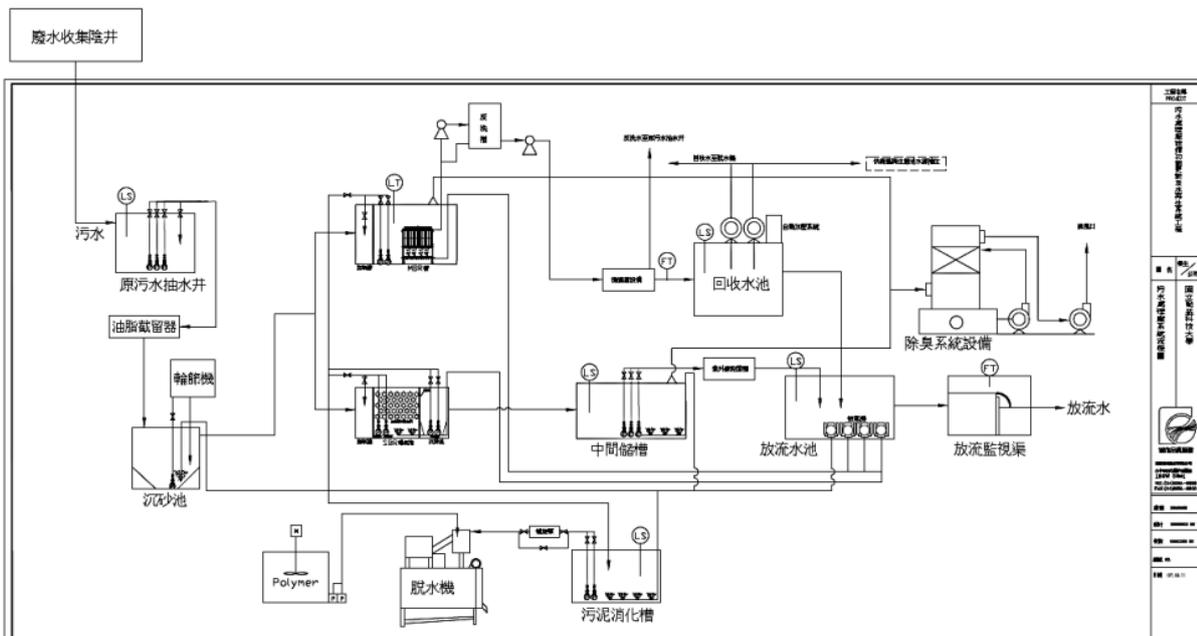
聲明書：1. 茲保證本報告內容完全依照行政院環境保護署及有關機關之標準方法及品質管理相關規定，並經公正、誠實進行採樣、檢測，絕無虛偽不實，如有違反，自行放棄及不利等情事。
2. 若因本報告內容與事實不符，致生糾紛，本報告僅供參考，不作為法律依據。如有違反，自行放棄及不利等情事。
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公司名稱：興亞環保科技股份有限公司
負責人：楊仁滔
檢驗室主任：曾仁滔
(簽名)

報告專用章
興亞環保科技股份有限公司
負責人：楊仁滔
檢驗室主任：曾仁滔

NCUT regularly sends professionals to collect water for inspection

Water quality inspection report



國立勤益科技大學污水處理廠系統流程圖



The waste water treatment process of National Chin-Yi University of Technology

國立勤益科技大學水污染防治措施資料/水質水量平衡示意圖

