



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

## [SDGs 6] Clean Water and Sanitation 淨水與衛生

[6.3.3] Does your university as a body provide free drinking water for students, staff and visitors, e.g. drinking water fountains)?

The **Regulations for the Maintenance and Management of Drinking Water Equipment** at **National Chin-Yi University of Technology (NCUT)** outline critical procedures and responsibilities aimed at **maintaining the hygiene, safety, and quality of drinking water on campus**. By following these regulations, NCUT ensures that students, staff, and visitors have access to clean and safe drinking water. Below is an overview of key elements from the regulations and the standard operating procedures (SOPs) related to the management of drinking water:

### **Purpose**

These regulations aim to ensure the drinking water provided on campus meets **free, safety and quality standards, maintaining a healthy and secure environment for all**. The policy aligns with national regulations and guidelines on drinking water management and the proper maintenance of fixed water supply equipment.

### **Scope of Management**

These regulations apply to all drinking water equipment installed across NCUT, including:

- Drinking fountains
- Reverse osmosis water dispensers
- Boiling water fountains
- Other similar water dispensing equipment

### **Responsibilities**

#### **1. Facilities Management Department:**

- Responsible for overseeing the maintenance and management of all drinking water equipment.
- Ensures regular inspections, cleaning, and upkeep of the equipment.

#### **2. Water Quality Testing:**

- Arranges for regular water quality tests to ensure compliance with national drinking water standards.

- Tests cover microbiological, chemical, and physical parameters.

### 3. **Cleaning and Sanitization:**

- Conducts regular cleaning and sanitization of equipment, including filter replacements and tank disinfection.
- Establishes specific cleaning schedules for each piece of equipment.

### 4. **Record Keeping:**

- Maintains detailed logs of maintenance, cleaning, inspections, and water quality test results.
- Documents corrective actions taken in response to any issues.

## **Procedures**

### 1. **Regular Inspection:**

- Routine inspections ensure all drinking water equipment functions properly.
- Any identified issues or defects are immediately reported to the Facilities Management Department for resolution.

### 2. **Cleaning Schedule:**

- A cleaning schedule dictates the frequency and steps for cleaning each type of equipment.
- Procedures include filter changes, cleaning water dispensers, and sanitizing tanks.

### 3. **Water Quality Testing:**

- Regular testing of water for contaminants ensures that it adheres to drinking water standards.
- Immediate corrective actions are taken if any water quality issues are identified.

### 4. **Corrective Actions:**

- In the event of malfunctioning equipment or water quality concerns, the equipment is taken offline until issues are resolved.
- Follow-up actions ensure equipment and water quality meet safety standards before re-use.

### 5. **Staff Training:**

- Maintenance personnel are trained to ensure the correct execution of inspections, cleaning, and testing protocols.



- Regular training ensures staff are equipped to maintain equipment hygiene and safety.

#### 6. Communication:

- The university communicates any water quality or equipment-related issues promptly to the school community.
- Teachers, students, and staff are informed of precautions or alternative water sources when necessary.

### Standard Operating Procedures (SOPs) Overview

NCUT employs SOPs to standardize the approach to maintaining water quality, ensuring compliance with regulations. The SOPs include:

1. **Regular Inspection:** Detailed schedules for inspecting water dispensers and related equipment to detect and address any potential problems.
2. **Cleaning and Sanitization:** Protocols for thoroughly cleaning and sanitizing the water equipment, including steps for replacing filters and disinfecting components.
3. **Water Quality Testing:** Routine water tests are conducted to assess parameters such as microbial presence, chemical levels, and overall water quality.
4. **Record Keeping:** All actions related to maintenance and water testing are meticulously recorded, ensuring transparency and traceability.
5. **Response to Contamination:** Clear procedures are in place for responding to any water quality issues, including immediate cessation of equipment use and corrective measures.
6. **Staff Training:** Personnel responsible for water management receive thorough training in the execution of SOPs to maintain consistent water safety standards.
7. **Communication:** Transparent communication ensures that students and staff are aware of any issues regarding drinking water and can take necessary precautions.

The **Regulations for the Maintenance and Management of Drinking Water Equipment** at NCUT are designed to maintain a reliable, safe, and hygienic drinking water supply across campus. The systematic approach to inspection, maintenance, and testing ensures that all drinking water equipment remains in optimal condition, contributing to the overall health and safety of the university community.

### Contribution to the Sustainable Development Goals (SDGs)

NCUT's comprehensive water management strategy—including **wastewater treatment, pollution prevention, and free provision of drinking water**—directly advances several United Nations Sustainable Development Goals:

- **SDG 3 – Good Health and Well-Being**

By providing free and safe drinking water through **152 fountains and dispensers**, NCUT safeguards the health of students, staff, and visitors, reducing risks associated with dehydration and waterborne illness.

- **SDG 6 – Clean Water and Sanitation**

NCUT operates a **sewage treatment plant** with physical, chemical, and biological treatment processes, ensuring that all wastewater meets national discharge standards. **40% of treated water is recycled** for irrigation, landscaping, and replenishing Mingxiu Lake. At the same time, the university's robust monitoring and emergency protocols prevent polluted water from entering the natural water system, even in cases of accidents or incidents.

- **SDG 12 – Responsible Consumption and Production**

The reuse of treated water reduces dependency on municipal supply, while free drinking water infrastructure minimizes single-use plastic bottle consumption. Hazardous chemicals from laboratories are managed under strict disposal protocols, further supporting sustainable resource use.

- **SDG 13 – Climate Action**

Through wastewater recycling, energy-efficient water management, and reducing the carbon footprint associated with bottled water and pollution control, NCUT strengthens its climate resilience and mitigates environmental impacts.





Replace the water dispenser filter



Replace the water dispenser filter



安美謙環保股份有限公司  
行政院環境保護署許可證字號：環管環檢字第056號

檢核室名稱：安美謙環保股份有限公司  
地址：台中市西屯區工業區三十八路210號7樓之1

版次：1.1  
文件編號：L-01501  
電話：(04)2350-7780  
傳真：(04)2350-6328

檢驗報告

實驗室樣品編號：883-2021-09001531 報告日期：2021/09/16  
報告編號：AR-21-MY-023115-01 專案編號：GE110DW10837

客戶名稱：國立勤益科技大學 採樣時間：2021/09/11 08:08  
類別：- 收樣時間：2021/09/11 17:20  
樣品名稱：飲用水 聯絡人：林洛米  
客戶樣品編號： 樣品特性：液體  
檢測目的：自評參考 採樣方法：NIEA W101.56A  
採樣單位：安美謙環保股份有限公司  
採樣地點：臺中市大平路坪林里中山路二段 57號 管理處1F東側 M801

MY002 大腸桿菌群 方法：NIEA E230.55B 結果 單位 定置限值 偵測限值 最大限值  
大腸桿菌群 <1 cfu/100 ml 1 <g

備註：  
1.本報告已由核發給保人審核簽核，並簽署於內部報告文件，簽字人如下：  
無檢獲限 自檢文(GE1-01)，無檢獲限 鄰家(GE1-03)，無檢獲限 正檢中(GE1-06)  
2.低於方法檢出限之測定以“ND”表示，並註明其方法偵測限及單位(MDL)。  
3.加高方法偵測限，以小於可定置限(CDL)時，應註明可定置限及單位。  
4.本報告僅對樣品負責，並不保證其被檢及作為宣傳廣告之用。

聲明書：  
(一)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保證等相關規定，秉持公正、誠實進行採樣、檢測，嚴禁虛偽不實、欺騙行為，並對所檢測結果之準確性負責，並據實呈報相關主管機關，並據實呈報相關主管機關。  
(二)若人等知悉其受委託採樣之委託人，亦應於採樣前向委託人索取委託書，並對採樣之委託人簽名，公證委託書之內容及委託採樣之權利範圍，如有違反，亦為非法及受罰行為之適用對象，請受委託人簽名及蓋章。  
安美謙環保股份有限公司  
檢核室主任/報告簽署人：何靜文

報告專用章  
安美謙環保股份有限公司  
負責人：陳冠宏  
報告簽署人：何靜文

Water quality inspection report

編號	序號	設置位置	機型	購買日期	財產編號
1	KB01	國秀樓B2社團辦公室前	普德牌DD-6005	107.12.19	396
2	KB02	國秀樓B1東北側	普德牌DD-6005	107.12.19	397
3	KB03	國秀樓B1西南側	普德牌DD-6005	107.12.19	398
4	KB04	國秀樓1F西南側	普德牌DD-6005	107.12.19	399
5	KB05	國秀樓1F東北側右	普德牌DD-6005	107.12.19	400
6	KB06	國秀樓1F東北側左	普德牌DD-6005	107.12.19	401
7	KB07	國秀樓1F東北側空	普德牌DD-6005	107.12.19	402
8	KB08	國秀樓2F東北側	普德牌DD-6005	107.12.19	403
9	KB09	國秀樓2F西南側	普德牌DD-6005	107.12.19	404
10	KB10	國秀樓3F東北側	普德牌DD-6005	107.12.19	405
11	KB11	國秀樓3F西南側	普德牌DD-6005	107.12.19	406
12	KB12	國秀樓4F東北側	普德牌DD-6005	107.12.19	407
13	KB13	國秀樓4F西南側	普德牌DD-6005	107.12.19	408
14	KB14	國秀樓4F教授休息室	普德牌DD-6005	107.12.19	409
15	KB15	國秀樓5F東北側	普德牌DD-6005	107.12.19	410
16	KB16	國秀樓5F西南側	普德牌DD-6005	107.12.19	411
17	KB17	國秀樓6F東北側	普德牌DD-6005	107.12.19	412
18	KB18	國秀樓6F西南側	普德牌DD-6005	107.12.19	413
19	KB19	國秀樓7F東北側	普德牌DD-6005	107.12.19	414
20	KB20	國秀樓7F西南側	普德牌DD-6005	107.12.19	415
21	LA01	創新研發大樓1F電梯台	普德牌DD-6005	107.12.19	416
22	LA02	創新研發大樓2F電梯台	普德牌DD-6005	107.12.19	417
23	LA03	創新研發大樓3F電梯台	普德牌DD-6005	107.12.19	418
24	LA04	創新研發大樓4F電梯台	普德牌DD-6005	107.12.19	419
25	LC01	圖書資訊館2F右	普德牌DD-6005	107.12.19	420
26	LC02	圖書資訊館B1左	普德牌DD-6005	107.12.19	421
27	LC03	圖書資訊館1F茶水間右	普德牌DD-6005	107.12.19	422
28	LC04	圖書資訊館1F茶水間左	普德牌DD-6005	107.12.19	423
29	LC05	圖書資訊館2F茶水間右	普德牌DD-6005	107.12.19	424
30	LC06	圖書資訊館2F茶水間左	普德牌DD-6005	107.12.19	425
31	LC07	圖書資訊館3F茶水間右	普德牌DD-6005	107.12.19	426
32	LC08	圖書資訊館3F茶水間左	普德牌DD-6005	107.12.19	427
33	LC09	圖書資訊館4F圖書室男廁	普德牌DD-6005	107.12.19	428

Water quality inspection report

### ✿ 全校飲水機清單

編號	序號	設 置 位 置	機 型	購 買 日 期	財 產 編 號
KB01	1	國秀樓B2社團辦公室前	普德牌BD-6005	107.12.19	396
KB02	2	國秀樓B1東北側	普德牌BD-6005	107.12.19	397
KB03	3	國秀樓B1西南側	普德牌BD-6005	107.12.19	398
KB04	4	國秀樓1F西南側	普德牌BD-6005	107.12.19	399
KB05	5	國秀樓1F東北側右	普德牌BD-6005	107.12.19	400
KB06	6	國秀樓1F東北側左	普德牌BD-6005	107.12.19	401
KB07	7	國秀樓1F軍訓室	普德牌BD-6005	107.12.19	402
KB08	8	國秀樓2F東北側	普德牌BD-6005	107.12.19	403
KB09	9	國秀樓2F西南側	普德牌BD-6005	107.12.19	404
KB10	10	國秀樓3F東北側	普德牌BD-6005	107.12.19	405
KB11	11	國秀樓3F西南側	普德牌BD-6005	107.12.19	406
KB12	12	國秀樓4F東北側	普德牌BD-6005	107.12.19	407
KB13	13	國秀樓4F西南側	普德牌BD-6005	107.12.19	408
KB14	14	國秀樓4F教授休息室	普德牌BD-6005	107.12.19	409
KB15	15	國秀樓5F東北側	普德牌BD-6005	107.12.19	410
KB16	16	國秀樓5F西南側	普德牌BD-6005	107.12.19	411
KB17	17	國秀樓6F東南側	普德牌BD-6005	107.12.19	412
KB18	18	國秀樓6F西南側	普德牌BD-6005	107.12.19	413
KB19	19	國秀樓7F東南側	普德牌BD-6005	107.12.19	414
KB20	20	國秀樓7F西南側	普德牌BD-6005	107.12.19	415
LA01	21	創新研發大樓1F電梯旁	普德牌BD-6005	107.12.19	416
LA02	22	創新研發大樓2F電梯旁	普德牌BD-6005	107.12.19	417
LA03	23	創新研發大樓3F電梯旁	普德牌BD-6005	107.12.19	418
LA04	24	創新研發大樓4F電梯旁	普德牌BD-6005	107.12.19	419
LC01	25	圖書資訊館B1右	普德牌BD-6005	107.12.19	420
LC02	26	圖書資訊館B1左	普德牌BD-6005	107.12.19	421
LC03	27	圖書資訊館1F茶水間右	普德牌BD-6005	107.12.19	422

There are 152 **drinking fountains** on NCUT campus, providing free and clean drinking water to faculty, staff and students.

## 國立勤益科技大學環境保護及安全衛生中心

### 飲用水設備水質檢驗作業流程

<p>1.目的：讓初接觸本組業務同仁，能熟悉水質檢驗業務，以提升本校行政效率。</p> <p>2.依據：<a href="#">飲用水管理條例</a>、<a href="#">飲用水連續供水固定設備使用及維護管理辦法</a>、<a href="#">本校飲用水設備維護管理辦法</a>。</p> <p>3.範圍：校內公共區域水質檢驗程序。</p> <p>4.權責：詳如 5 作業說明。</p>			
作業流程	權責單位	執行時間	相關表冊
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">訂定年度水質檢驗計畫表</div>	環安中心 ( <a href="#">邱明哲/2576</a> ) ( <a href="#">劉俊慶/2577</a> )	1 日	
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">每三個月檢驗全校飲水機 總數八分之一</div>	環安中心 ( <a href="#">邱明哲/2576</a> ) ( <a href="#">劉俊慶/2577</a> )	1 日	
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">會同合約廠商進行水質檢測</div>	環安中心 ( <a href="#">邱明哲/2576</a> ) ( <a href="#">劉俊慶/2577</a> )	1 日	
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;"> <div style="display: flex; justify-content: space-between;"> <span>水質檢驗</span> <span>不合格</span> </div> </div>	環安中心 ( <a href="#">邱明哲/2576</a> ) ( <a href="#">劉俊慶/2577</a> )	1 日	
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;"> <div style="display: flex; justify-content: space-between;"> <span>合格</span> <span>通知管繕組 ，關閉水源</span> </div> </div>	管繕組 ( <a href="#">施順鐘/2557</a> )	1 日	
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;"> <div style="display: flex; justify-content: space-between;"> <span>於不合格之飲 水機掛「暫停使 用」告示警語</span> </div> </div>	環安中心 ( <a href="#">邱明哲/2576</a> ) ( <a href="#">劉俊慶/2577</a> )	1 日	
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;"> <div style="display: flex; justify-content: space-between;"> <span>通知廠商維修</span> </div> </div>	環安中心 ( <a href="#">邱明哲/2576</a> ) ( <a href="#">劉俊慶/2577</a> )	1 日	
<div style="border: 1px solid black; border-radius: 15px; padding: 5px; width: fit-content; margin: 5px auto;">           全校師生可安心飲用         </div>			