CLEAN WATER AND SANITATION

Goal 6 aims to provide clean and accessible water for everyone, as it is an essential component of a sustainable world. The scarcity of water, poor water quality, and inadequate sanitation have a detrimental impact on food security, livelihood options, and educational opportunities for impoverished families worldwide. In order to achieve this goal, efforts must be directed towards improving water quality, reducing water shortages, and minimizing pollution from untreated wastewater being released into the environment.

With a mission to provide Vietnamese students with access to education that aligns with international standards, DNC aims to nurture talent and train students ready for internationally oriented university programs and global employment opportunities in the future. At the same time, the university serves as an environment for teaching students to intern and gain practical experience. DNC continuously strives to improve its facilities to enhance the quality of education, as it grows in size and diversity of training programs.

Moreover, the university focuses on creating an open and modern campus environment. Clean water and environmental sanitation under Goal 6 play a crucial role in DNC journey toward sustainable development. Specifically, DNC has installed a system to monitor water consumption, a wastewater treatment system, and a system to measure water reuse. It has also put in place mechanisms to prevent water pollution, providing free water to staff, lecturers, students, parents, and visitors. Furthermore, DNC actively creates an open and modern campus environment. To achieve Goal Six of sustainable development, the university has implemented various initiatives such as a recycling program and regular clean-up drives on campus. Specifically, DNC has established a water monitoring system, a wastewater treatment plant, and a water reuse measurement system. It has also implemented measures to prevent water pollution and provides free access to clean water for staff, lecturers, students, parents, and visitors.

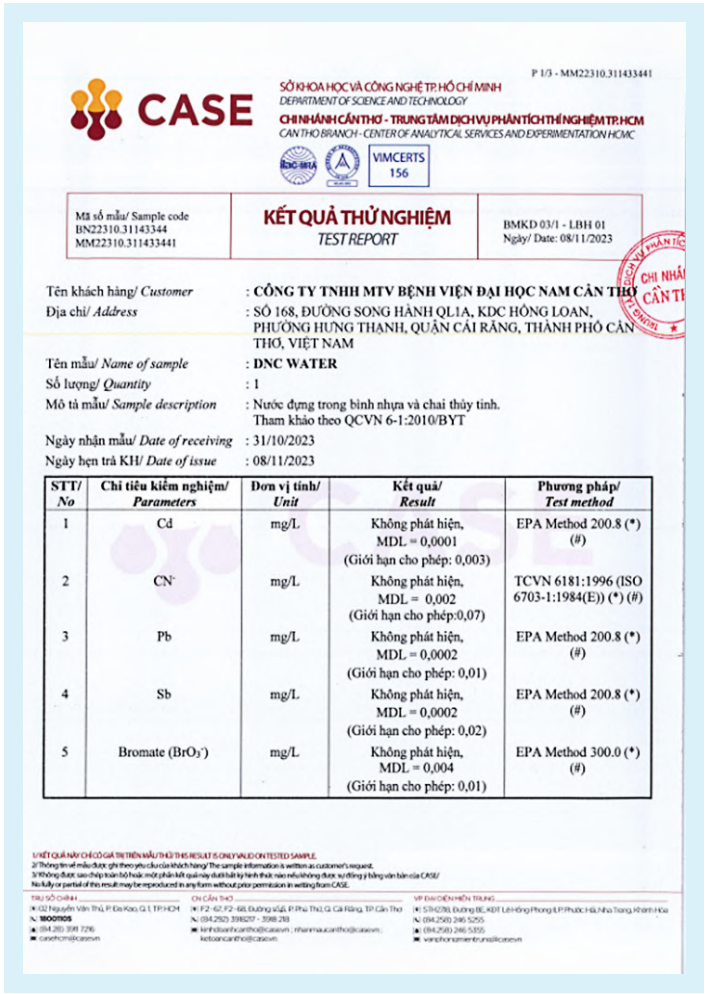
DNC has focused on researching innovative water treatment methods and efficient irrigation systems, advancing the conservation of water resources and advocating for sustainable development in the local environment and community.

DNC's purified drinking water production line

DNC USES CLEAN WATER TO PROTECT THE HEALTH OF ITS STAFF, LECTURERS, AND STUDENTS

DNC utilizes national standard water supplied by the local water utility and has a wastewater treatment system that adheres to Vietnam's QCVN 14 standards. The campus water supply system is newly invested and modern, meeting all construction standards. This system is regularly monitored and maintained to prevent any potential contamination.

Additionally, the university has installed a purified drinking water production line that offers complimentary drinking water to all areas on campus for studying, working, and conducting research.



CASE

SỞ KHOA HỌC VÀ CÔNG NGHỆ TP. HỒ CHÍ MINH
DEPARTMENT OF SCIENCE AND TECHNOLOGY
CHI NHÁNH CẦN THƠ - TRUNG TÂM DỊCH VỤ PHÂN TÍCH THÍ NGHIỆM TP.HCM
CAN THO BRANCH - CENTER OF ANALYTICAL SERVICES AND EXPERIMENTATION HCMC

VIMCERTS 156

P 1/3 - MM22310.311433441

Mã số mẫu/ Sample code
BN22310.31143344
MM22310.311433441

KẾT QUẢ THỬ NGHIỆM
TEST REPORT

BMKD 03/1 - LBH 01
Ngày/ Date: 08/11/2023

Tên khách hàng/ *Customer* : **CÔNG TY TNHH MTV BỆNH VIỆN ĐẠI HỌC NAM CẦN THƠ**
Địa chỉ/ *Address* : SỐ 168, ĐƯỜNG SONG HÀNH QL1A, KDC HỒNG LOAN, PHƯỜNG HƯNG THẠNH, QUẬN CÁI RĂNG, THÀNH PHỐ CẦN THƠ, VIỆT NAM
Tên mẫu/ *Name of sample* : **DNC WATER**
Số lượng/ *Quantity* : 1
Mô tả mẫu/ *Sample description* : Nước đựng trong bình nhựa và chai thủy tinh. Tham khảo theo QCVN 6-1:2010/BYT
Ngày nhận mẫu/ *Date of receiving* : 31/10/2023
Ngày hẹn trả KH/ *Date of issue* : 08/11/2023

STT/ *No*	Chỉ tiêu kiểm nghiệm/ *Parameters*	Đơn vị tính/ *Unit*	Kết quả/ *Result*	Phương pháp/ *Test method*
1	Cd	mg/L	Không phát hiện, MDL = 0,0001 (Giới hạn cho phép: 0,003)	EPA Method 200.8 (*) (#)
2	CN^-	mg/L	Không phát hiện, MDL = 0,002 (Giới hạn cho phép:0,07)	TCVN 6181:1996 (ISO 6703-1:1984(E)) (*) (#)
3	Pb	mg/L	Không phát hiện, MDL = 0,0002 (Giới hạn cho phép: 0,01)	EPA Method 200.8 (*) (#)
4	Sb	mg/L	Không phát hiện, MDL = 0,0002 (Giới hạn cho phép: 0,02)	EPA Method 200.8 (*) (#)
5	Bromate (BrO_3^-)	mg/L	Không phát hiện, MDL = 0,004 (Giới hạn cho phép: 0,01)	EPA Method 300.0 (*) (#)

1/ KẾT QUẢ NÀY CHỈ CÓ GIÁ TRỊ TRÊN MẪU THỬ/ THIS RESULT IS ONLY VALID ON TESTED SAMPLE.
2/ Thông tin về mẫu được ghi theo yêu cầu của khách hàng/ The sample information is written as customer's request.
3/ Không được sao chép toàn bộ hoặc một phần kết quả này dưới bất kỳ hình thức nào nếu không được sự đồng ý bằng văn bản của CASE/ No fully or partial of this result may be reproduced in any form without prior permission in writing from CASE.

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VP ĐẠI DIỆN MIỀN TRUNG: 57H-0788, Đường 8E, KDT Lê Hồng Phong II, P. Phước Hải, Nha Trang, Khánh Hòa · (84.258) 246 5255 · vanphongmientrung@case.vn

P 2/3 - MM22310.311433441

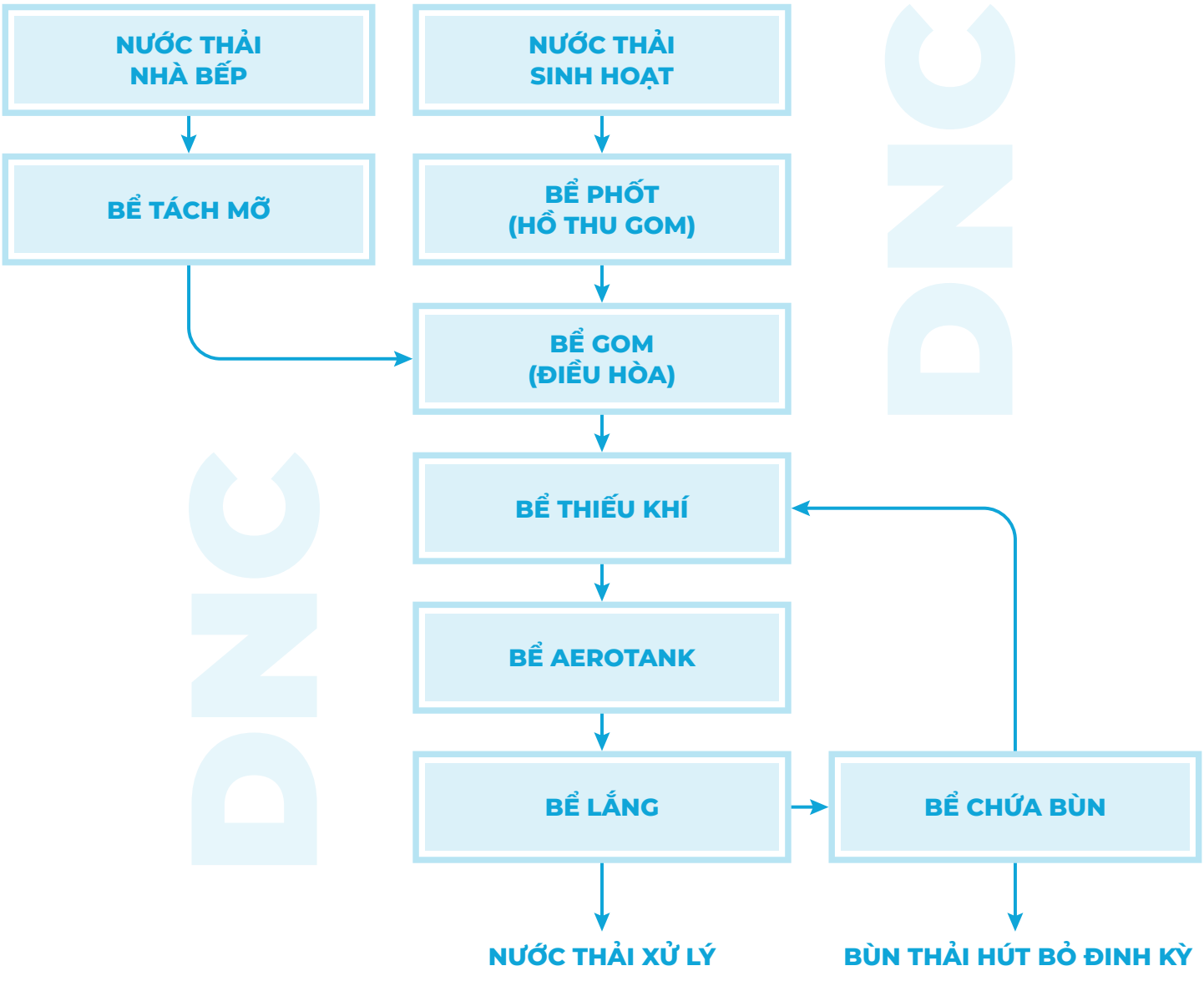
STT/ *No*	Chỉ tiêu kiểm nghiệm/ *Parameters*	Đơn vị tính/ *Unit*	Kết quả/ *Result*	Phương pháp/ *Test method*
6	Chlorat (ClO_3^-)	mg/L	Không phát hiện, MDL = 0,004 (Giới hạn cho phép: 0,7)	EPA Method 300.0 (*) (#)
7	Clorit (ClO_2^-)	mg/L	Không phát hiện, MDL = 0,004 (Giới hạn cho phép: 0,7)	EPA Method 300.0 (*) (#)
8	As	mg/L	Không phát hiện, MDL = 0,001 (Giới hạn cho phép: 0,01)	TCVN 6626:2000 (ISO 11969:1996) (*)
9	B	mg/L	0,054 (Giới hạn cho phép:0,5)	EPA Method 200.7 (*)
10	Ba	mg/L	Không phát hiện, MDL = 0,005 (Giới hạn cho phép: 0,7)	EPA Method 200.7 (*)
11	Chlorine	mg/L	Không phát hiện, MDL = 0,15 (Clor) (Giới hạn cho phép: 5)	SMEWW 4500-Cl.B:2017 (*)
12	Cr	mg/L	Không phát hiện, MDL = 0,005 (Giới hạn cho phép: 0,05)	EPA Method 200.7 (*)
13	Cu	mg/L	Không phát hiện, MDL = 0,005 (Giới hạn cho phép: 2)	EPA Method 200.7 (*)
14	Florua (F^-)	mg/L	Không phát hiện, MDL = 0,05 (Giới hạn cho phép: 1,5)	TCVN 6195:1996 (ISO 10359-1:1992(E)) (*)
15	Hg	mg/L	Không phát hiện, MDL = 0,0003 (Giới hạn cho phép: 0,006)	TCVN 7877:2008 (ISO 5666:1999) (*)
16	Mn	mg/L	Không phát hiện, MDL = 0,005 (Giới hạn cho phép: 0,4)	EPA Method 200.7 (*)
17	Mo	mg/L	Không phát hiện, MDL = 0,01 (Giới hạn cho phép: 0,07)	EPA Method 200.7 (*)
18	Ni	mg/L	Không phát hiện, MDL = 0,01 (Giới hạn cho phép: 0,07)	EPA Method 200.7 (*)

WATER CONSERVATION IN THE COMMUNITY

DNC utilizes the nearby river and lake as sources of water for various purposes. **In 2020, DNC constructed a water reservoir with a capacity of more than 3,800 square meters.**

This reservoir is connected to the local canal system, which helps regulate water levels and prevents flooding. Additionally, it contributes to the diversification of the ecosystem and supports irrigation for plant care.

Schematic of wastewater treatment



DNC COLLABORATES WITH THE YOUTH UNION OF THE PEOPLE'S COMMITTEE OF NINH KIEU DISTRICT TO IMPLEMENT WATER CONSERVATION EFFORTS

On March 22, 2023, in honor of World Water Day 2023, DNC students, in partnership with the local youth union members of the Ninh Kieu District People's Committee, organized a series of events centered around the theme "Accelerating Change" to combat the global water and sanitation crisis. These activities were designed to promote awareness and foster sustainable water-saving practices within the community.

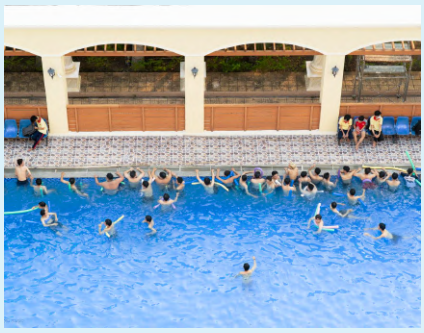
Students from DNC launched campaigns to promote water conservation across 11 wards in Ninh Kieu District using social media, posters, and flyers to spread the message. They also held extracurricular classes to educate people on the importance of water conservation and how to implement it.

Propaganda and community education in Ninh Kieu District

Take water saving measures

DEVELOPING RESEARCH ACTIVITIES - DNC HAS COLLABORATED WITH THE "FOR A PLASTIC-FREE MEKONG RIVER PROJECT – PILOTING AT CAN THO FLOATING MARKET"

The project, led by the GreenHub Center and the Center for Natural Resource and Rural Development (RECERD), aims to promote a circular economy, reduce plastic waste from rivers flowing into the ocean, and foster behavioral changes in waste management in local river communities. The project is supported by local people, the Department of Natural Resources and Environment of Can Tho City, and the People's Committee of Can Tho City, as well as the local authorities of Binh Thuy and Cai Rang Districts.



REGULARLY SELECTING WATER SOURCES AND MONITORING WATER QUALITY TO PROMOTE WATER CONSERVATION AND ENSURE WATER QUALITY

Last year, DNC organized a variety of awareness campaigns for staff, lecturers, and students to promote water conservation, water reuse, and water resource protection. These campaigns were integrated Goal Six into the subject "Humans and the Environment".

Our swimming pool system utilizes modern filtration technology, enhancing the effectiveness of water reuse while ensuring that water quality meets regulatory standards for swimming pools and achieves effective water conservation.

The network of greenery on campus was chosen to include plants with low water needs.