

SDG 6.3.2 Preventing water system pollution

<http://en.yuntech-csr.tw/clean-water-and-sanitation/>

The sewage system, reclaimed water reuse system, and tap water system set up in our school are all independent systems, so there is no possibility of sewage entering the water system for pollution.

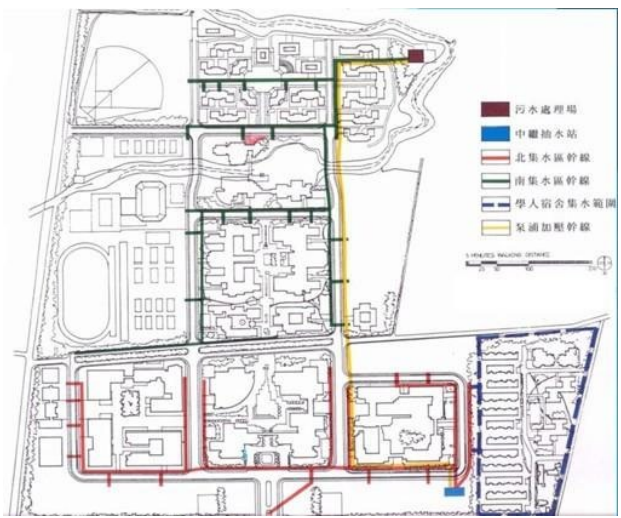
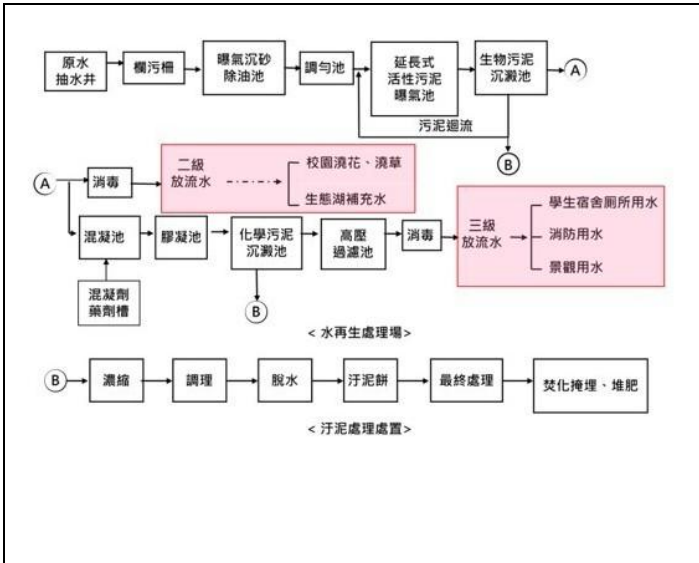
(Figure 1-4) The domestic sewage of the National Yunlin University of Science and Technology is treated by the water purification plant, and the reclaimed water is sent to the school district landscape water, fire water, artificial lake replenishment water and student dormitory toilet flushing water through independent pipelines. Ensure that reclaimed water is used separately from drinking water and domestic water.

(Figure 5) The raw wastewater, the treated recycled water and discharge water of the Water Purification Plant in the campus are regularly inspected by a qualified company to conduct water temperature, PH value, suspended solids, chemical oxygen demand, biochemical oxygen demand, large intestine and bacterial group detection.

The reclaimed water utilization system in campus is to process the urban sewage to reach certain water quality standards and use the reclaimed water repeatedly in non-drinking water and water without contacts with human bodies. The main use of reclaimed water is for flushing in toilet, garden irrigation, road moisturizing, car washing, fountains, water used in promenade facilities, and water for cooling down equipment. There is also billboard hanging above faucets for watering. (the secondary waterway providing reclaimed water for watering flowers only and cannot be used as water to drink or washing hands)

In the early stage of establishment, school already planned sewage collection pipeline system and set a sewage treatment to process the sewage produced by students and faculty in daily lives with biological extension aeration method. The sewage is firstly processed with secondary extension aeration method and part of the processed sewage is further proceeded thirdly. Then the processed water will be recycled to groundwater water supply system to replace the original groundwater to serve as the water used in landscaping, firefighting, artificial lakes, and flushing of toilets in student dormitories.

Item 1 Evidence



(1) Water purification plant treatment process

(2) Sewage system, reclaimed water reuse system, and tap water system set up in our school are all independent systems.

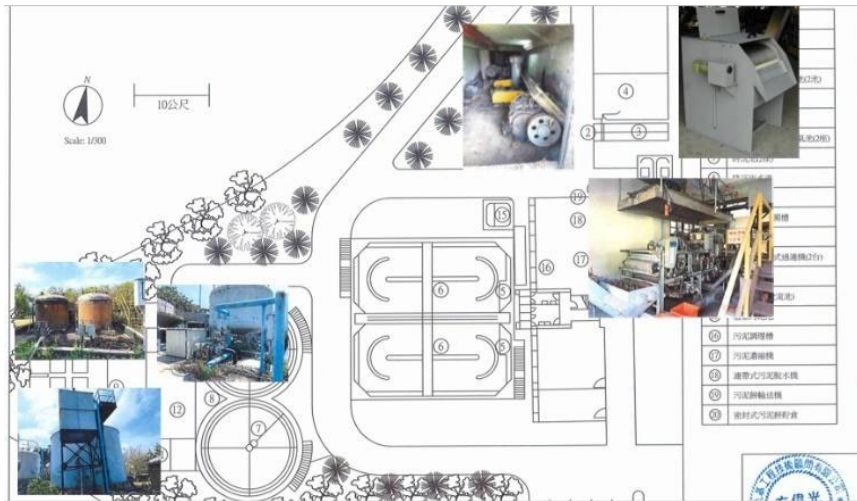
中水道管路系統圖



(3) Reclaimed water piping system diagram



(4) Photos of reclaimed water sampling



Water Quality Purification Plant Maintenance and Design Report