

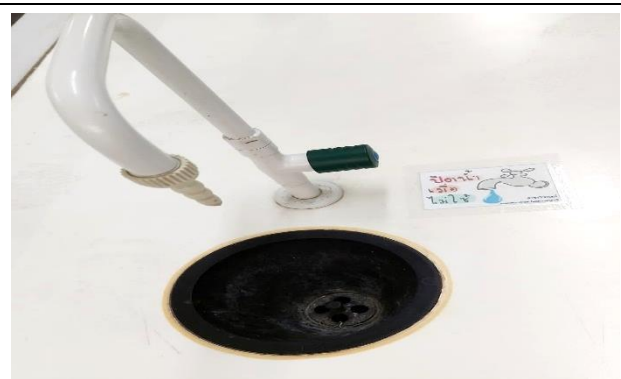


UI GreenMetric Questionnaire

University : Nakhon Pathom Rajabhat University
 Country : Thailand
 Web Address : www.npru.ac.th

[4] Water (WR)

[4.1] Water Conservation Program Implementation



Example of a water conservation program in the Faculty of Science and Technology



Surveying and testing the water pipe system in the building

Equipment for testing the quality of water



Natural Reservoir, soil wetland of capacity the average size is 77,000 cubic meters.

To increase the catchment area by dredging up space in the campus



Description:

NPRU has a unit on water protection and conservation. The department must supervise and conduct a series of maintenance and inspection of water savings. Some of their tasks are as follows:

1. Conduct regular surveys and tests of indoor bile duct systems using the Hydraulic Pressure Test Pump.
2. NPRU has a natural reservoir, the catchment area by soil wells of capacity the average size is 77,000 cubic meters.
3. Increase the catchment area by dredging up area on the campus for water protection and conservation:
4. Inspection of each single piping layout within the campus for routine works.



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[4.2] Water Recycling Program Implementation



An example of the water recycling program is treated water from the aeration pond for watering the plants inside the university to reduce water consumption.



An example of the Water Recycling Program is the treated water from an aeration pond to clean the streets of the university to reduce PM.2.5 dust values.

Description:

The NPRU Wastewater Treatment Plant aims to treat the total wastewater collected from various university applications. The plant can produce treated water that meets the standards for water reuse in volume and quality—all the treated effluent used for irrigation with an average of 30%.



Water recycling implementation program:

1. To water the plants inside the university to reduce water consumption and increase the amount of green space by using the number of 24 cubic meters per day.
2. To clear the streets of the university to reduce PM.2.5 dust by using the said number of 24 cubic meters per day.

Water conservation program:

NPRU is developing a water conservation program, which includes the following activities:

1. Rainwater harvesting
2. Recycle/reuse water within the facilities



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[4.3] Water Efficient Appliances Usage (e.g., hand washing taps, toilet flush, etc.)



Description:

NPRU has implemented electrical equipment efficiently, reducing water consumption by 30 percent within the university campus.

1. Censored / Automated handwashing taps installed in all the campus areas. An automatic faucet will flow and stop when the hands pull in/cut.
2. Highly Efficient dual-flush installed in all the campus areas. The men's sanitary ware sensor system will run the water when standing. If the user leaves the stand, the water will stop flowing immediately.



Template for Evidence(s) UI GreenMetric Questionnaire

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[4] Water (WR)

[4.4] Consumption of treated water





Description:

Nakhon Pathom Rajabhat University has prepared an area for water consumption for students and staff to consume it. It is located at the cafeteria, the student dormitory, and the university's dormitory.



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[4.5] Water pollution control in campus area





Description:

Nakhon Pathom Rajabhat University has a policy on preventing and reducing marine pollution of all kinds, in particular from land-based activities. For example, the annual maintenance of the water structure improvement project.