



Template for Evidence(s) UI GreenMetric Questionnaire

University : Sisaket Rajabhat University
Country : Thailand
Web Address : www.sskru.ac.th

[4] Water (WR)

[4.3] Water Recycling Program Implementation (WR.3)



Grease Trap and Microbial Wastewater Treatment System



Treated Water Reuse for Tree and Landscape Irrigation



Treated Water Reuse in the Khok Nong Na Project



Pond Aeration and Water Circulation System



Solar-Powered Floating Water Wheel for Wastewater Management



Reuse of Treated Water from Campus Storage Areas for Sports Field Irrigation



Description:

Water Recycling Program Implementation

Sisaket Rajabhat University has implemented a **Water Recycling Program** to promote sustainable water resource management and reduce freshwater consumption on campus as part of its Green Campus development strategy.

Wastewater generated from university buildings and food court facilities is treated through a wastewater treatment system consisting of **grease traps and microbial fermentation tanks**. Following the treatment process, the wastewater is discharged into campus ponds and water storage areas where additional natural treatment processes occur.

To improve the efficiency and quality of water treatment, the university has installed a **Pond Aeration and Water Circulation System** and a **Solar-Powered Floating Water Wheel for Wastewater Management**. These systems increase dissolved oxygen levels, improve water circulation, accelerate the decomposition of organic matter, and enhance overall water quality within campus water bodies.

The treated water is reused for **irrigating trees, ornamental plants, sports field grass, and green spaces throughout the campus**. In addition, recycled water is utilized within the **Khok Nong Na Project** to support agricultural activities, crop cultivation, and landscape maintenance. This practice reduces dependence on potable water supplies and promotes efficient utilization of water resources.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):