



# BATANGAS STATE UNIVERSITY'S (BATSTATEU'S) POLICY GUIDELINES FOR SUSTAINABLE DEVELOPMENT



landscaping projects of the university to encourage local biodiversity.

1.1.2.8 The University shall encourage establishment and protection of botanical gardens and arboretums whenever feasible.

1.1.2.9 Indiscriminate introduction of plants and animals as in the case of, but not limited to, random dispersal of seeds and release of animals within the campus shall not be permitted.

## **1.2. Water Usage and Care**

The following are the specific policy guidelines for better wastewater management on the different campuses of the University:

### **1.2.1 Water Usage and Conservation Management**

1.2.1.1 Inspection and monitoring of the water distribution system (faucets, bidets, water closets, toilet flush and pipes) shall be ensured so that no unused water leakage is wasted. Metering and other measures to detect water leakage shall be used to ensure water conservation. Reporting of leakage to the Project and Facilities Management Office (PFMO) must be done immediately for prompt action.

1.2.1.2 Regular monitoring of water consumption per building and reporting the total water usage of different campuses shall be practiced.

1.2.1.3 In the procurement of plumbing fixtures and fittings, buying water-efficient ones (water closet with dual flush, low-flow faucets or bidets, etc.) shall be prioritized.

1.2.1.4 High-pressure but low-volume spray nozzles on spray washers for cleaning the University vehicle, driveways, pathways, or pavements shall be installed.

1.2.1.5 A rainwater harvesting facility to maximize the use of available water shall be established.

1.2.1.6 The use of treated wastewater, harvested rainwater and the water from fountains for cleaning, flushing purposes and car washing shall be maximized.

1.2.1.7 Insofar as practicable, non-toxic bricks or plastic containers shall be placed in a toilet tank to reduce the amount of water used per flush. A toilet dam that creates a reservoir of water when the toilet flushes shall also be utilized in place of the displacement device.

1.2.1.8 A water efficiency management plan for the plumbing and piping system of the water being released in the water retention facility shall be developed.

## **1.2.2 Water Quality Monitoring**

1.2.2.1 The number and location of university-wide water sampling stations based on the proximity of the campuses and possible sources of contamination shall be established. The sampling stations shall include university deep wells, artesian wells, aquifers, water districts and similar bodies of water.

1.2.2.2 A regular sampling and analysis of environmental water quality parameters using the approved and/or Standard Methods for Examination of Water and Wastewater shall be conducted.

## **1.2.3 Wastewater Treatment Facility**

1.2.3.1 Wastewater generated from buildings shall be collected. *Provided, however, That* applicable treatment prior to its disposal through the Sewage Treatment Plant (STP) whose effluent complies with general effluent standard set by Department of Environment and Natural Resources through DENR AO 2016-08 is in place.

## **1.2.4 Discharging of Wastewater**

1.2.4.1 Generated wastewater from the comfort rooms shall be directly discharged in a septic tank and regularly siphoned by a DENR Accredited TSD Facility.

1.2.4.2 Generated liquid waste from the laboratory in terms of liquid shall be properly stored, collected, and managed through EMU Office, then it shall be transported, and treated by a DENR-approved Treatment facility.

## **1.3. Wildlife Protection**

1.3.1 An ecosystems-based approach to campus development shall be pursued by the University to ensure healthy and sustainable coexistence of the University population with the biodiversity on campus.

1.3.2 Conservation and protection of wildlife species and their habitats shall be paramount to promote ecological balance and enhance biological diversity.



# BATANGAS STATE UNIVERSITY

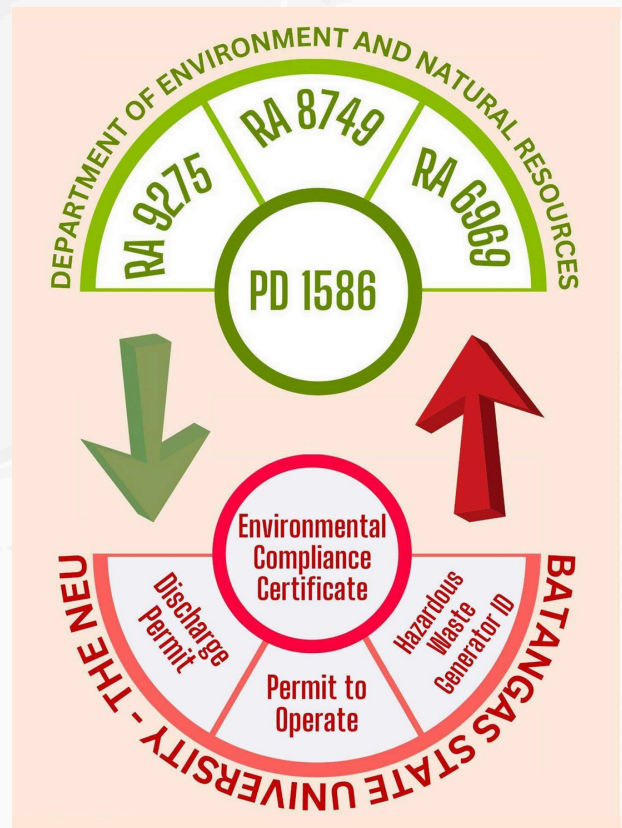
## The National Engineering University

### BATANGAS STATE UNIVERSITY - THE NATIONAL ENGINEERING UNIVERSITY ENVIRONMENTAL COMPLIANCE

# GREEN VISIONARY

Being the Philippines' National Engineering University, Batangas State University is in its commitment not just to provide high quality education but also towards environmental protection and preservation. BatStateU established the Environmental Management Unit (EMU) to ensure that environmental sustainability is implemented in all BatStateU campuses. The EMU implements the policies set by the Department of Environment and Natural Resources (DENR) stipulated in the different environmental laws such as PD 1586 - Philippine Environmental Impact Statement System, RA 9275 - The Philippine Clean Water Act of 2004, RA 8749 - The Philippine Clean Air Act of 1999 and RA 6969 - Toxic Substances and Hazardous and Nuclear Waste Control Act of 1990. In compliance to PD 1586, the university secured the Environmental Compliance Certificate

(ECC) which states the environmental conditions to be complied by the university. A Pollution Control Officer (PCO) was designated to develop and implement measures towards environmental compliance. The university also secures discharge permit (DP) as required by RA 9275 and its IRR, permit to operate (PTO) in compliance waste generator ID as mandated by RA 6969. Securing ECC and the other environmental permits is one of the approaches of the university to avoid the pollution of the environment and to make sure the proper management of solid wastes, hazardous wastes and university's wastewater. This also supports the attainment of the United Nations' sustainable development goals, specifically, SDG No. 6 - Clean Water and Sanitation and SDG No. 12 - Responsible Consumption and Production.



Infographic about Environmental Compliance of Batangas State University - The National Engineering University

The university through the EMU periodically submit to DENR - Environmental Management Bureau (DENR-EMB) the compliance monitoring report (CMR) and self monitoring report (SMR) to present the university's compliance and measures towards pollution control and environmental protection and preservation.

To further

strengthen environmental compliance, in 2022, BatStateU established the Center for Sustainable Development (CSD), designed to support regional and global initiatives aligned with the United Nations' 17 Sustainable Development Goals.

Source: Environmental Management Unit