



The Benguet State University Waste Management Plan provides a description of the existing framework for Waste Management within the applicable laws, regulations and ordinances in the Philippines and the Municipality of La Trinidad respectively. It is never permanent, it is being revisited and revised regularly as needed.

It determines the outline of waste streams and quantities to be managed at the same time, it contributes to the assurance that the capacity and nature of collection and treatment system are in-line with the waste to be managed. It furtherly dictates the control of technological measures, a framework on the identification of methods to be taken into consideration on how to eliminate or minimize such certain type of waste.

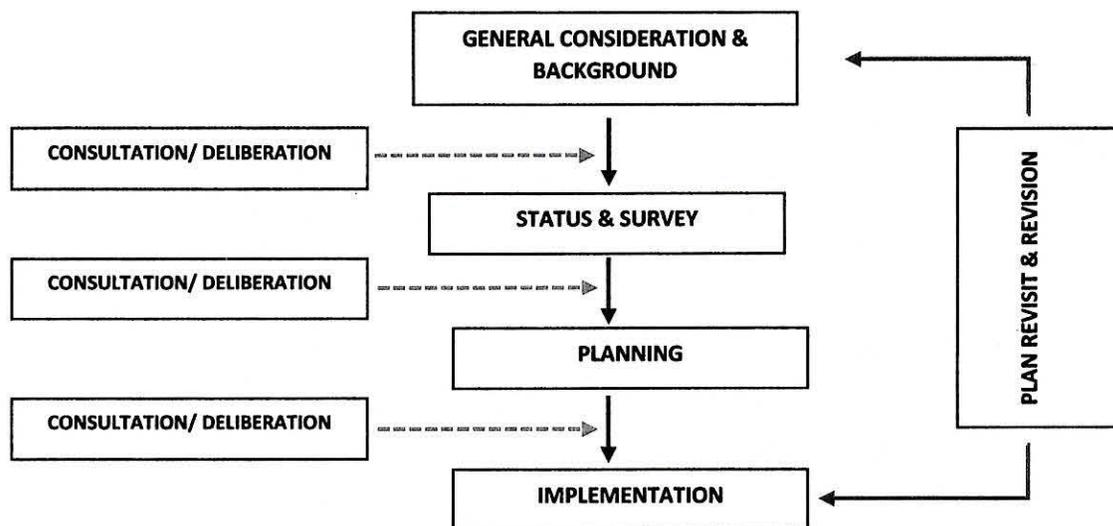


Figure a. Hierarchy of Waste Management

In the determination of the university's Waste Management Plan, generated waste are distinctively classified according to the following five (5) categories with the following description and sub-categories;

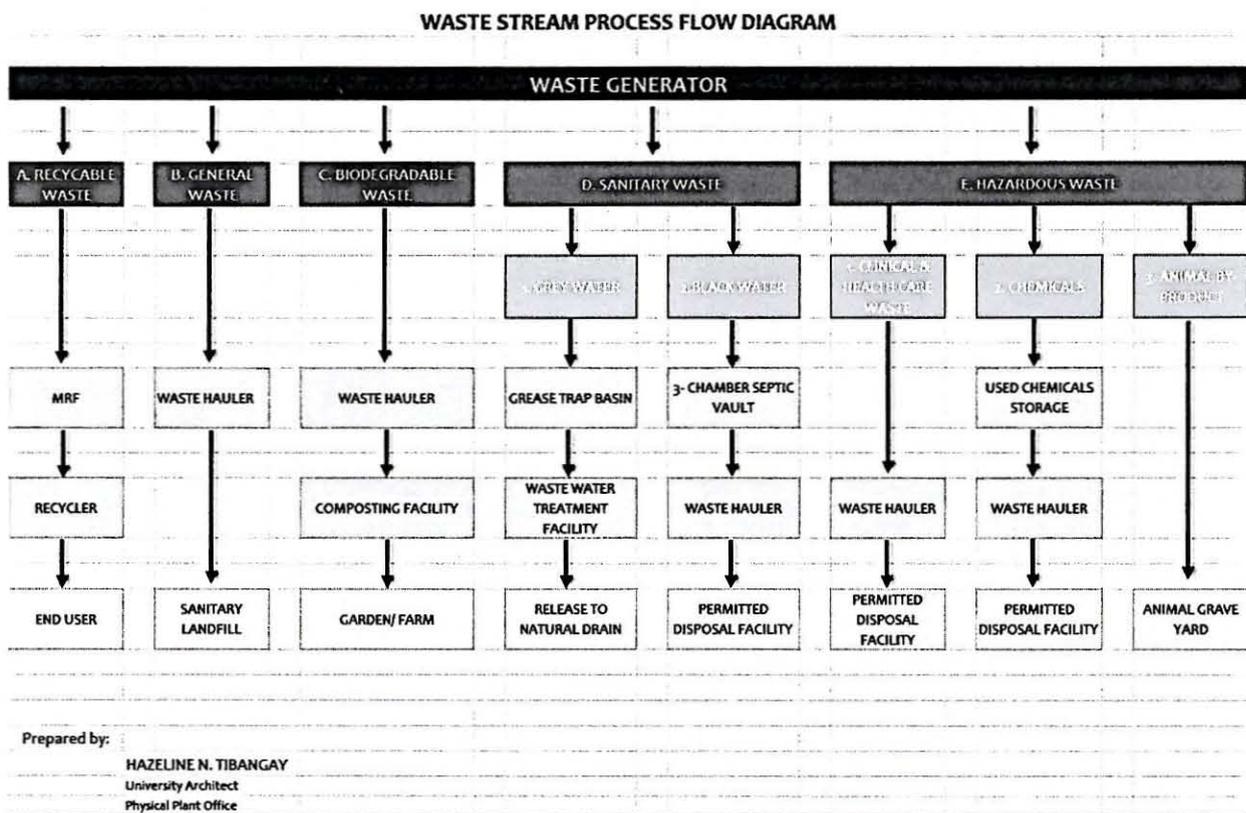
- A. Recyclable Waste – generated waste which can be recycled or re-used.
- B. General Waste – generated waste that cannot be recycled and “safe for disposal” to sanitary landfill.
- C. Biodegradable Waste – generated waste which can undergo stages of decomposition.
- D. Sanitary Waste – waste from comfort room and kitchen, and sub-categorized into grey and black waste water.

- a. Grey Water – waste water which is being conveyed through waste water pipe line.
- b. Black Water – waste water which is being conveyed through soil pipe, specifically from water closet which includes solid effluent.

E. Hazardous Waste

- a. Clinical & Healthcare Waste – generated waste from the clinic & clinical laboratories.
- b. Chemicals – generated chemical waste from instructional and research laboratories.
- c. Animal By-product – waste generated from animal hospital and animal science laboratories.

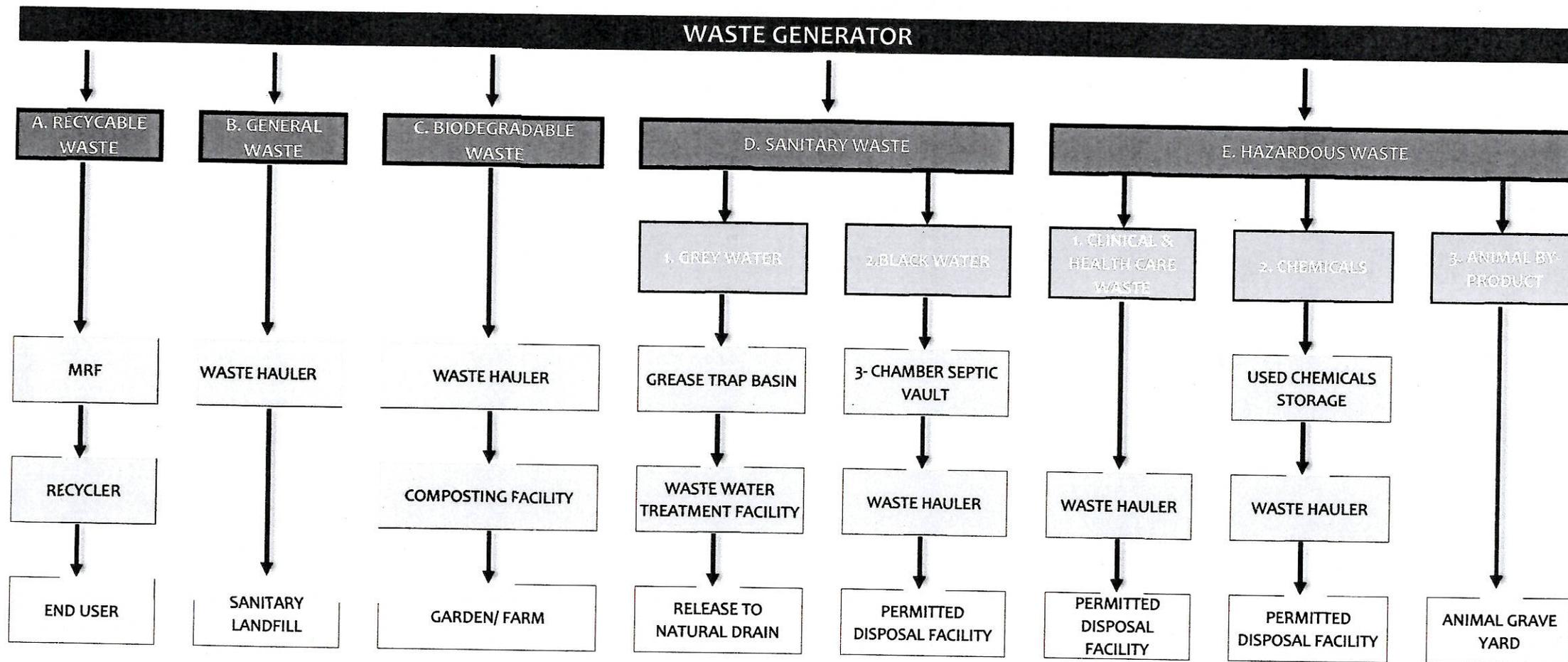
The categorized generated wastes are interpreted into a Waste Stream Flow Diagram which were being used as a guide in the handling and management of waste of the university.



BENGUET STATE UNIVERSITY

BSU Main Campus, La Trinidad, Benguet

WASTE STREAM PROCESS FLOW DIAGRAM



Prepared by:


HAZELINE MATIBANGAY
University Architect
Physical Plant Office

BSU Eco-waste Management Program

Policies – Campus Practices

A. Source Segregation:

1. Segregation in Offices

- ❖ All office wastes must be segregated into waste bins provided for. These waste bins shall be clearly labeled into the following waste categories: **recyclables, biodegradables, residuals.**
- ❖ Office bins will have to be emptied daily.

2. Segregation in Canteens

- ❖ A “buzzing area” shall be designated within all university canteens where all customers will have to bring their utensils and segregate their food wastes after eating.
- ❖ Bins must be emptied daily.
- ❖ Biodegradable wastes will be further segregated as follows:
 - *fruits and vegetables – for piggery or compost
 - *meat/rice/baked products – for dog food

3. Segregation Outdoors

- Appropriate and clearly labeled waste bins will be placed in strategic locations within BSU campuses
- All wastes will have to be placed into the appropriate/correct segregation bins
- Bins will be easily accessible and clearly labeled
- Bins will have to be emptied daily.
- EWMP leaders will have to monitor compliance with outdoor segregation guidelines

B. Waste Reduction

1. In canteens, food stalls and Marketing Center

- All Styrofoam products will be banned in university canteens and other food outlets within the university campus; instead alternative packaging will be observed (ex. use of reusable containers like lunch boxes, paper-made/cardboard-made containers)
- The use of plastic bags is discouraged; instead, reusable bags will be made available for purchase at the BSU marketing Center which customers would use to place their purchases.
Note: These reusable bags are made of cloth (ex. kacha, cotton bags)
- Customers without reusable bags may use plastic bags but these will be bought at a higher cost.
- Paper bags will be used for packaging of bakery products
- Plastic stirrers will likewise be banned.

2. In offices and other rooms/buildings

- Internal memos and draft documents will be printed on non-confidential reused paper
- Office equipment must be repaired before disposal is to be considered as an option.
- All faculty and university personnel will have to observe the wise use of paper and other office supplies to prevent wastage.

C. Campus Maintenance:

- All utility workers should work to maintain cleanliness within all areas of the school campus.
- Colleges and student organizations should regularly conduct solid work to maintain cleanliness within their areas.
- Burning of garden wastes is banned; these will have to be composted instead.
- Student eco-marshalls shall be assigned in different areas of the campus to help maintain cleanliness and see to it that EWMP policies are observed and implemented.

Prepared by:


AUREA MARIE M. SANDOVAL
University Coordinator, EWMP



Republic of the Philippines
Benguet State University
La Trinidad, Benguet



rec'd:
Budget - Sec
4/20

COLLEGE OF ARTS AND SCIENCES

University Eco-waste Management Program

2016 INTERNAL OPERATING BUDGET

Budget Allotment:	770,000.00
1. Waste Bins	400,000.00
2. Information, Education & Communication Activities/Materials	70,000.00
3. Research Development Activities	100,000.00
4. Supplies and materials for EWMP and Balili River System Revitalization Coalition Learning Resource Center (CAS 201b)	30,000.00
5. Seminars, trainings	100,000.00
6. Travel Expenses	60,000.00
7. Contingency	<u>10,000.00</u>
Total =	770,000.00

Prepared by:


AUREA MARIE M. SANDOVAL, Ph.D.
Coordinator, Univ. EWMP

Approved:

BEN D. LADILAD, Ph.D. CESO III
President