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Recognized by Indian Nursing Council and A.P. Nurses & Midwives Council

Affiliated to NTR University of Health Sciences, A.P. Vijayawada.

Accredited by "International Accreditation Organization (IAO)"

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WASTE MANGEMENT POLICY

TITLE	WASTE MANGEMENT POLICY		
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	NAME	SIGNATURE
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WASTE MANAGEMENT POLICY

2023-2024

INDEX

S. No.	Content	Page No.
1.	SOLID WASTE MANAGEMENT	3
2.	LIQUID WASTE MANAGEMENT	4
3.	BIOMEDICAL WASTE MANAGEMENT	4
4	E-WASTE MANAGEMENT	5
5	WASTER RECYCLING SYSTEM	5
6	HAZARDOUS CHEMICALS AND RADIOACTIVE WASTE MANAGEMENT	5

7.1.4 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management

- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response: Institution is following a waste management policy for solid, liquid and E- waste management. A pollution control certificate is obtained for the recognition of environment friendliness. A condemnation committee is taking care of the disposal process of condemned items.

Solid waste: Some of the initiatives are biodegradable and non-biodegradable waste is segregated and bio degradable waste is used for compost. Vermi composting has been adopted in the college. Non-degradable solid waste from campus is sent to the Municipal Corporation Dumping Yard after segregation. Degradable waste and leaf litter from the campus is used for composting, further that is used for plantation. Food waste in the Mess is monitored by the Mess committee. Special instructions given to the hostel students that used sanitary waste like sanitary pads should be wrapped securely in a suitable wrapping material and shall place the same in the bin meant for dry waste. Special incinerators are used for sanitary ad disposal.

Liquid waste management: A total of around 500 KI/Day of waste water is generated from Washing, Cleaning, Housekeeping, Disinfecting activities. A Sewage Treatment Plant is installed outside of the campus. Treated water is used for the garden and plantation within the premises. Liquid waste from the institution

is diverted to the drain and soakage pits. There are 2 soakage pits functioning in the institution. One soakage pit in Narayana College of nursing and another soakage pit was constructed at the backyard of college.

The waste water from the R.O. Plant is also directed to the pit which facilitated with slow sand filter system. It is also connected with water source.

Biomedical waste management: The biomedical waste generated in the hospital and medical centre are managed in accordance to the Bio-Medical Waste Management Rules, 2016. The waste are segregated and stored in specified colored bins that are collected from the end user sites and stored at a central location, a restricted area within the campus before handing it over to the biomedical waste treatment facility

HOSPITAL adopts color coded segregation of biomedical waste in all patient care areas. This will be monitored by sanitary inspector, housekeeping in-charge and ICN on daily basis.

Color coded bags	Contents
Yellow	Infected non-plastic materials only
Red	Infected plastics only
White puncture proof Container	Metal sharps, Glass sharps, Needles only
Blue Container	Expiry drugs
Green	General waste

E-waste management: Condemnation committee in the parent hospital our institution manages the e-waste. E – Waste generated by the institution is collected

and hand over to the concern person in the parent hospital. The collected E – Wastes are given it for Auction by the condemnation committee.

All non-working Electronic waste such as CPUs, hard disks, laboratory equipment scrap is sent to the market for sale. Workable computers, printers and other equipment discarded by departments are donated to nearby schools. The cartridges of printers are refilled outside the college campus. Old UPS Batteries are exchanged with new UPS batteries.

Hazardous chemicals and radioactive waste management: Since this is a Nursing college there is no production of hazardous chemicals and radioactive waste.

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WASTE MANAGEMENT COMMITTEE

PLASTIC FREE ZONE IN CAMPUS

Policy: To monitor the plastic free zone in campus

Aim: To measurably reduce plastic waste and pollution

- ✓ To eliminate plastic pollution
- ✓ To reduce toxic impact on people and environment

S.NO	NAME	DESIGNATION	POSITION
1	Dr. B. Vanaja Kumari	Principal, Narayana College of Nursing	Principal
2	Dr. V. Kumari.	Vice-Principal,	Vice Principal
3	Dr. A. Latha	HOD, Dept of MSN	Secretary
4	Mrs. T' Lalitha Kumari	HOD, Dept of MHN	Member
5	Mr. D.Sekhar	Maintenance Engineer Narayana Medical institutions	Member

Objectives of Waste Management

The primary goal of solid waste management is reducing and eliminating adverse impacts of waste materials on human health and the environment to support economic development and superior quality of life. This is to be done in the most efficient manner possible, to keep costs low and prevent waste buildup.

Dr. B. Vanaja
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Six Elements of the Waste Management System

1. **Waste generation:** This encompasses any activities involved in identifying materials that are no longer usable and are either gathered for systematic disposal or thrown away.
2. **Onsite handling, storage, and processing:** This relates to activities at the point of waste generation, which facilitate easier collection. For example, waste bins are placed at sites that generate sufficient waste.
3. **Waste collection:** A crucial phase of waste management, this includes activities such as placing waste collection bins, collecting waste from those bins, and accumulating trash in the location where the collection vehicles are emptied. Although the collection phase involves transportation, this is typically not the main stage of waste transportation.
4. **Waste transfer and transport:** These are the activities involved in moving waste from the local waste collection locations to the regional waste disposal site in large waste transport vehicles.
5. **Waste processing and recovery:** This refers to the facilities, equipment, and techniques employed to recover reusable or recyclable materials from the waste stream and to improve the effectiveness of other functional elements of waste management.
6. **Disposal:** The final stage of waste management. It involves the activities aimed at the systematic disposal of waste materials in locations such as landfills or waste-to-energy facilities.

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