

WASTE MANAGEMENT POLICY



AMAR SHAHEED KANCHAN SINGH AUTONOMOUS P.G College

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0		Issued for Implementation
Rev.	Date	Description
	30/08/2024	Waste Management Policy

1. Introduction

Amar Shaheed Kanchan Singh Autonomous P.G College, Shivpuri Fatehpur is committed to creating a sustainable campus environment by implementing an effective waste management policy. This policy outlines the procedures for managing solid waste, liquid waste, and e-waste to minimize environmental impact and promote health and safety within the college community.

2. Objectives

- To reduce waste generation and promote recycling and reuse.
- To ensure proper segregation, collection, storage, and disposal of different types of waste.
- To comply with national and local regulations regarding waste management.
- To educate and involve the college community in sustainable waste management practices.

3. Solid Waste Management

Types of Solid Waste

Solid waste generated within the college includes:

- **Biodegradable waste:** Food scraps, garden waste, paper, and other organic materials.
- **Non-biodegradable waste:** Plastics, metals, glass, and other inorganic materials.
- **Hazardous waste:** Chemicals, laboratory waste, and other potentially harmful substances.

Waste Segregation

Proper segregation of solid waste is crucial for effective management. The college will implement the following segregation practices:

- **Biodegradable waste:** Collected in green bins and composted on-site or sent to local composting facilities.
- **Non-biodegradable waste:** Collected in blue bins and further sorted for recycling. Plastics, metals, and glass will be separated and sent to recycling centers.
- **Hazardous waste:** Collected in red bins and handled according to specific hazardous waste management protocols to ensure safe disposal.

Waste Collection and Storage

Designated waste collection points will be established across the campus. These points will be equipped with labelled bins to encourage proper waste segregation. Waste collection will be scheduled regularly to prevent overflow and maintain cleanliness.

Waste Processing and Disposal

- **Biodegradable waste:** Will be composted on-site to produce organic fertilizer for the college gardens. Any excess biodegradable waste will be sent to local composting facilities.
- **Recyclable non-biodegradable waste:** Will be sorted and sent to authorized recycling centers. Efforts will be made to collaborate with local recyclers to ensure efficient recycling processes.
- **Hazardous waste:** Will be handled with extreme care and sent to certified hazardous waste disposal facilities.

Awareness and Training

The college will conduct regular awareness campaigns and training sessions to educate students, staff, and faculty on the importance of waste segregation, recycling, and proper disposal methods. These initiatives will include workshops, seminars, and informational materials distributed across the campus.

4. Liquid Waste Management

Types of Liquid Waste

Liquid waste generated within the college includes:

- **Domestic wastewater:** From restrooms, kitchens, and cleaning activities.
- **Laboratory waste:** Chemicals and other liquid waste from laboratory activities.
- **Stormwater:** Rainwater runoff from roofs and other surfaces.

Waste Segregation

Proper segregation of liquid waste is essential to prevent contamination and ensure safe disposal:

- Domestic wastewater: Separated from other types of liquid waste and treated before discharge.
- Laboratory waste: Collected and stored separately in designated containers. Specific protocols will be followed to handle and dispose of hazardous laboratory waste.
- Stormwater: Managed through appropriate drainage systems to prevent flooding and waterlogging.

Waste Collection and Storage

- Domestic wastewater: Collected through a network of drains and sent to an on-site treatment plant.
- Laboratory waste: Stored in clearly labeled containers and handled according to established safety protocols.
- Stormwater: Directed to rainwater harvesting systems or stormwater drains.

Waste Processing and Disposal

- Domestic wastewater: Treated on-site using a sewage treatment plant (STP) to remove contaminants before safe discharge. The treated water can be reused for gardening and other non-potable purposes.
- Laboratory waste: Treated and neutralized using appropriate methods before disposal. Hazardous liquid waste will be sent to authorized hazardous waste treatment facilities.
- Stormwater: Collected and utilized for groundwater recharge or other suitable applications. Excess stormwater will be safely channelled to avoid waterlogging and erosion.

Awareness and Training

The college will conduct training sessions for laboratory personnel, maintenance staff, and other relevant individuals to ensure safe handling, storage, and disposal of liquid waste. Awareness programs will be organized to educate the college community about the importance of preventing water pollution and conserving water resources.

5. e-Waste Management

Types of e-Waste

e-Waste generated within the college includes:

- **Computers and peripherals:** Desktops, laptops, printers, scanners, and related accessories.
- **Mobile devices:** Smartphones, tablets, and related accessories.
- **Other electronic devices:** Projectors, audio-visual equipment, laboratory equipment, and household appliances.

Waste Segregation

Proper segregation of e-waste is necessary to facilitate safe disposal and recycling:

- **Reusable electronics:** Functional devices that can be refurbished and reused.
- **Non-reusable electronics:** Damaged or obsolete devices that require recycling or safe disposal.
- **Hazardous e-waste:** Components containing hazardous materials, such as batteries and circuit boards.

Waste Collection and Storage

Designated e-waste collection points will be established across the campus. These points will be equipped with labelled bins to encourage proper disposal of electronic devices. E-waste collection drives will be organized periodically to ensure proper disposal.

Waste Processing and Disposal

- **Reusable electronics:** Donated to local schools, non-profit organizations, or refurbished for use within the college.
- **Non-reusable electronics:** Sent to authorized e-waste recycling centers. The college will collaborate with certified e-waste recyclers to ensure safe and environmentally friendly recycling processes.
- **Hazardous e-waste:** Handled with care and sent to certified hazardous waste disposal facilities.

Awareness and Training

The college will conduct e-waste awareness campaigns to educate students, staff, and faculty about the importance of proper e-waste disposal and recycling. Workshops and seminars will be organized to provide information on the hazards of e-waste and the benefits of recycling.

6. Implementation and Monitoring

Implementation

The college administration will establish a Waste Management Committee responsible for overseeing the implementation of this policy. The committee will include representatives from various departments, including administration, faculty, maintenance, and student bodies.

Monitoring and Evaluation

Regular monitoring and evaluation of waste management practices will be conducted to ensure compliance with the policy and identify areas for improvement. The Waste Management Committee will:

- Conduct regular audits of waste segregation, collection, storage, and disposal practices.
- Review and update the waste management policy as needed to incorporate new technologies and practices.
- Report on the progress and effectiveness of waste management initiatives to the college administration.

7. Compliance and Legal Framework

The college will ensure compliance with all relevant national and local regulations regarding waste management. The Waste Management Committee will stay updated on changes in regulations and incorporate necessary adjustments into the policy.

8. Conclusion

The Waste Management Policy of Amar Shaheed Kanchan Singh Autonomous P.G College aims to create a sustainable and environmentally responsible campus by promoting effective waste management practices. Through proper segregation, collection, storage, and disposal of solid waste, liquid waste, and e-waste, the college will minimize its environmental impact and contribute to the well-being of the college community and the surrounding environment. Continuous education, awareness, and involvement of all stakeholders are essential to the successful implementation of this policy.

Approved by



Principal