

UAF - WASTE MANAGEMENT POLICY

1. Introduction

Waste management is a critical concern in today's world, with far-reaching effects. Proper waste handling is essential to safeguard the environment and human health. At UAF, we recognize the urgency of addressing waste-related challenges and are committed to sustainable practices.

2. Types of Waste Generated

UAF generates various types of waste, each requiring specific management strategies:

2.1 Solid Wastes

1. **Organic Solid Wastes:** These include agricultural residues, food waste, and green waste. Improper management can lead to soil and water contamination, affecting soil health and fertility.
2. **Re-usables and Recyclable Solid Waste:** Proper segregation and recycling are crucial to minimize the impact of these materials.

2.2 Specific Sources of Waste

1. **Household Waste:** Proper disposal practices within residential areas are essential.
2. **Campus Waste (Green Waste):** Waste from lawns, tree twigs, and other green areas.
3. **Biosolids Waste:** Waste from sewage treatment plants.
4. **Farm Waste (Crops and Animal Waste):** Untreated farm waste can cause odor, water contamination, and air pollution.
5. **Research Laboratory Waste:** Proper disposal of hazardous materials is critical.
6. **Animal Slaughtering Waste:** Requires careful handling and disposal.
7. **Sewage Wastewater:** UAF has two water treatment plants—one at the main campus and another at the sub-campus.

3. Waste Management Strategies

3.1 Farm Waste Management

- **Collection and Segregation:** Properly collect and segregate crop residues and animal waste.
- **Value-Added Organic Fertilizer:** Convert farm waste into organic fertilizer through composting and fermentation.

3.2 Green Waste Management

- **Biochar Production:** Utilize green waste (lawns cutting, tree twigs) to create biochar-like amendments on campus.

3.3 Plastic Waste Reduction

- **Policy Implementation:** Design and implement a comprehensive policy to minimize and recycle plastic waste.
- **Annual Reduction Target:** Aim to reduce plastic waste by 0.5 tons annually.
- **Disposal Options:** Explore landfill options on campus or collaborate with external waste management agencies like Faisalabad Waste Management Company Ltd. (FWMC).
- **Utensil Replacement:** Replace plastic utensils with reusable or biodegradable alternatives across the entire campus.

4. Conclusion

UAF is committed to responsible waste management. By adhering to this policy, we contribute to a cleaner environment, healthier soil, and a sustainable future for our university community and beyond.