CURRENT STATUS OF WASTE MANAGEMENT AND PLASTIC MANAGEMENT IN NIGERIA, POLICY & INDUSTRY ASPECTS

BY

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- Advent of Plastics
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Country Facts
Country Facts

- Nigeria is in West Africa
- Capital is Abuja
- Population of about 181,562,056 (July 2015 est)
- 70% of population engaged in agriculture
- Identified as regional power in Africa
- Largest GDP in Africa, 2014
Waste Management in Nigeria

Policies and Programmes
Waste Management in Nigeria - *Policies*

- Huge tonnes of waste generated annually through economic and social activities from growing population
- Government has policies, programmes and projects that aid management of waste
- First National policy formulated in 1991 with subsequent revisions
- Policy document is a framework to aid management of resources for sustainable development
Waste Management in Nigeria - *Policies*

- National Policy on Plastic lifecycle management was developed to drive resource efficiency, cleaner production and protection of the environment as stated in section 20 of the 1999 constitution.

- Nigeria is party to several international treaties and multilateral Environmental agreements including:
  - Basel Convention
  - Montreal Protocol
  - Climate Change Convention
Key Sustainable Development Goals achievable with the policy are goals:

- 3 - Good Health and Well-being
- 6 - Clean Water and Sanitation
- 9 - Industry, Innovation and Infrastructure
- 11 - Sustainable Cities and Communities
- 12 - Responsible Consumption and Production
- 14 - Life Below Water
- 17 - Partnerships to achieve the Goal
Existing Policies and frameworks:

- National Policy on Environment 1999 (Sub section 6.1 Section 6.0)
- National Policy on Environmental Sanitation, 2005
- National Policy on Chemical Management, 2010
- National Healthcare Waste Policy, 2013
- National Policy on Solid Waste Management, 2018
- National Policy on plastic life cycle management (Draft), 2019
Waste Management in Nigeria - *Programmes*

Some Government Pilot/Intervention projects:

- Community Based Solid Waste Management projects
- Hospital Waste Intervention Scheme: (Provision of Bio-Medical Incinerator to Tertiary Healthcare institutions of Nigeria)
- Establishment of Material Recovery Baling Centre
- Establishment of Integrated Waste Management Facilities
- Establishment of Briquetting Plants
- Establishment of Transfer loading Stations
- Establishment of Scrap Metal Recycling Plants
- Establishment of Plastic Recycling Plants in 26 cities in Nigeria, etc
Advent of Plastics
Advent of Plastics

Plastics was invented in 1907. It increased in production due to increase in plastic packaging and availability of raw materials.

Plastics are a problem mostly due to their non-biodegradable nature and improper disposal leading to pollution.

Global plastic production exceeded 311 million metric tons. From 2.5 billion metric ton of solid waste generated in 192 countries, about 275 million tons were plastic waste (UNEP, 2016).

Longevity of plastics is estimated to be hundreds to thousands of years.

Plastic waste are major cause of litter in environment, water pollution, flood and general environmental degradation.
Nigeria’s per capita plastics consumption

- Nigeria has about 70% of raw materials imported (mainly from the Middle East, Europe and Asia) and only about 30% produced locally

- The per capita consumption of plastics in Nigeria has grown by about 5% annually over the past ten years, from 4.0 kg in 2007 to 6.5 kg in 2017 and is estimated to be 7.5 kg in 2020
## Advent of Plastics - Volume of plastic waste between 2007 and 2017

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Government Efforts on Plastic Waste Management in Nigeria

Efforts, Challenges and Opportunities
Government Efforts on Plastic Waste Management - Efforts

- Implemented pilot plastic waste recycling facilities in 26 cities
- Plastic recycling plants as a component of MDG community based waste management
- Installation of pure water sachet recycling plant at Ilorin, Kwara State
- Community based waste management projects at Karu, Nasarawa and Lokoja, Kogi State, have plastic recycling plants as a component
- Action plan for phasing out non-biodegradable plastics
- Development of National Policy on Plastic Life Cycle Management (Draft)
Challenges faced by the Government include:

- Lack of proper regulatory framework
- Inadequate infrastructures characterized by lack of sufficient funding
- Inadequate capacity of waste managers and regulators
- Lack of sufficient awareness of citizens on the danger of plastic
Opportunities embedded in managing plastic waste include:

- Recycling plastic reduce the dependency on importation of virgin raw material from other countries
- Recycling provides cleaner environment and improve aesthetics of the country which will promote tourism and Foreign Direct Investment
- Recycling keeps many tons of plastic out of the waste stream and prevent plastics from getting to the ocean
- Save energy and prevent GHG emissions, etc
Future Plans

Considering the devastating effect of plastics, the Federal Government is desirous to partner with Stakeholders to;

- Develop a suitable regulatory framework as a guide in the management of plastics in Nigeria (Draft)
- Financing plastic waste management (under EPR).

There are several options available to deal with plastic waste. These includes;

- Tax incentives on plastic to reduce the use of plastics
- Adoption of resource recovery which entails segregation of plastic waste at source.
- Recycling and Reuse.
- Ban on single use plastics.
Thank you
Contact

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