

Solid Waste material

Objectives

- Introduction
- Main Types of Solid Waste Management
- Classification of solid waste
- Major sources of solid waste
- Examples of solid waste
- Causes of solid waste
- Components of solid waste
- Municipal solid waste

Solid Waste material

Introduction

- Solid wastes are any discarded or abandoned materials.
- Solid wastes can be solid, liquid, semi-solid or containerized gaseous material.
- Solid waste means any garbage, refuse, sludge from a wastewater treatment plant, water supply treatment plant, or air pollution control facility and other discarded materials including solid, **liquid**, semi-solid, or contained **gaseous** material, resulting from industrial, commercial, mining and agricultural operations

Solid Waste material

Main Types of Solid Waste Management

- a. Municipal Solid Waste (MSW):
- b. Hazardous Wastes:
- c. Industrial Wastes:
- d. Agricultural Wastes:
- e. Bio-Medical Wastes:
- f. Waste Minimization:

Solid Waste material

Classification of solid waste

What is classified as solid waste?

Solid waste can be classified into different types depending on their source:

- a) Household waste is generally classified as municipal waste,
- b) Industrial waste as hazardous waste, and.
- c) Biomedical waste or hospital waste as infectious waste.

Solid Waste material

Major sources of solid waste

What are the major sources of solid waste?

The following are major sources of solid waste:

- Residential. Residences and homes where people live are some of the major sources of solid waste. ...
- Industrial. ...
- Commercial. ...
- Institutional. ...
- Construction and Demolition Areas. ...
- Municipal services. ...
- Treatment Plants and Sites. ...
- Agriculture.

Solid Waste material

Examples of solid waste

What are examples of solid waste?

-Solid or semisolid, non soluble material (including gases and liquids in containers) such as agricultural refuse, demolition waste, industrial waste, mining residues, municipal garbage, and sewage sludge.

Solid Waste material

Causes of solid waste

What are the causes of solid waste?

-Solid waste pollution is caused mainly through urbanization and through industrial waste.

-It causes various diseases in human as bacillary dysentery, diarrhea and amoebic dysentery, plague, salmonellosis, trichinosis, endemic typhus, cholera, jaundice, hepatitis, gastro enteric diseases etc.

Solid Waste material

Components of solid waste

What are the components of solid waste?

Components of solid waste management

- Collection. ...

- Waste handling and separation, storage and processing at the source. ...

- Segregation and processing and transformation of solid wastes. ...

Solid Waste material

Solid waste management

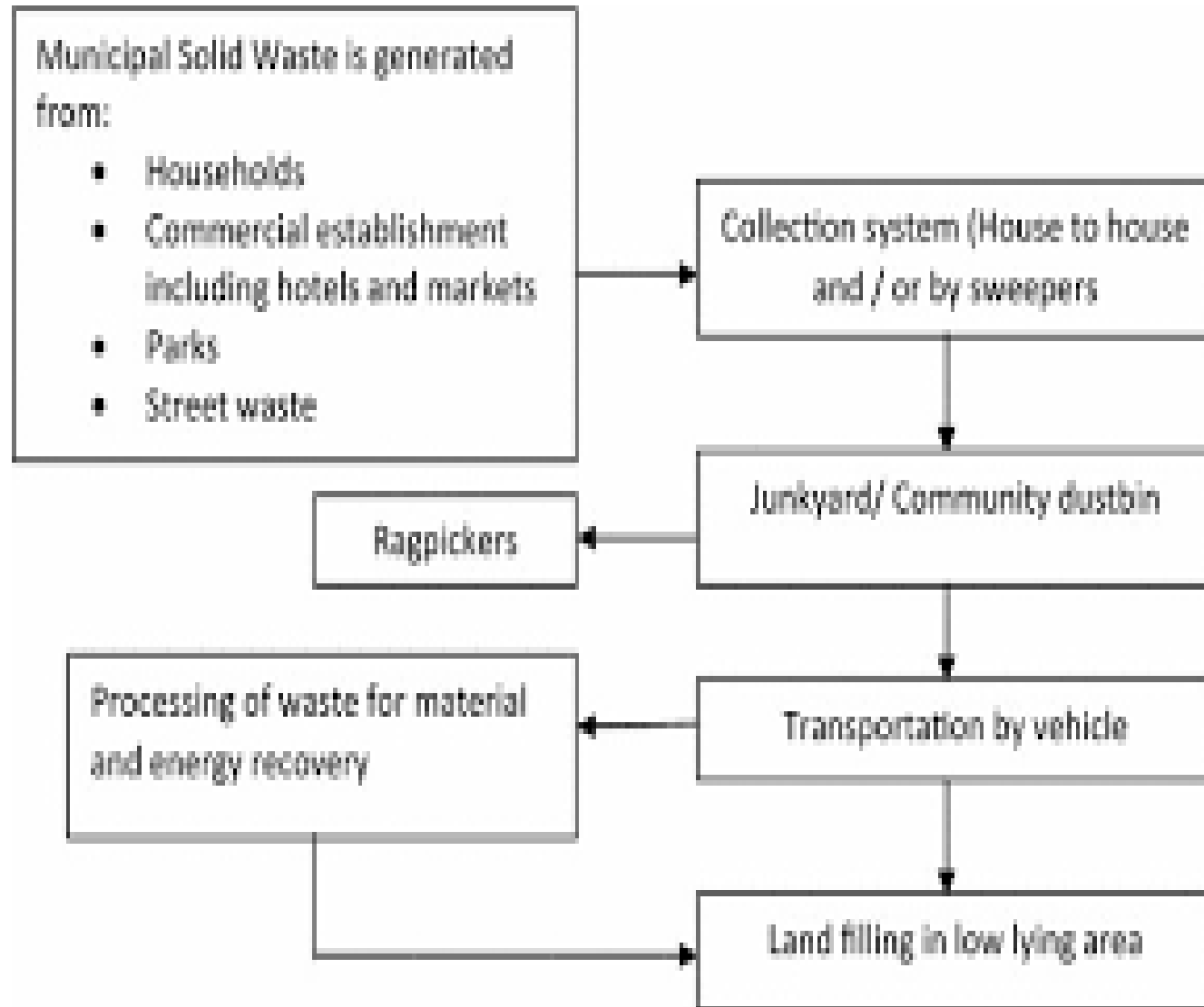
- Transfer and transport. ...
- Disposal. ...
- Reusing. ...
- Landfills. ...
- Energy generation

Solid Waste material

Municipal solid waste

Municipal solid waste (MSW), commonly known as trash or garbage in the United States and rubbish in Britain, is a waste type consisting of everyday items that are discarded by the public.

Solid Waste material



Solid Waste material

Waste Management Resources

What are the methods of waste management?

- Methods for dumping off waste:
- Landfill: this method involves burying off the waste and this is the most common practice for the disposal of waste around the Globe. ...
- Incineration:
- Methods for recycling:
- Biological reprocessing:
- Recovery of Energy:
- Reduction and Avoidance Methods:
- Waste handling and transportation.

Solid Waste material

