

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

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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

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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:

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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.

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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.

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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.

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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.

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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. ...

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Solid waste management

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

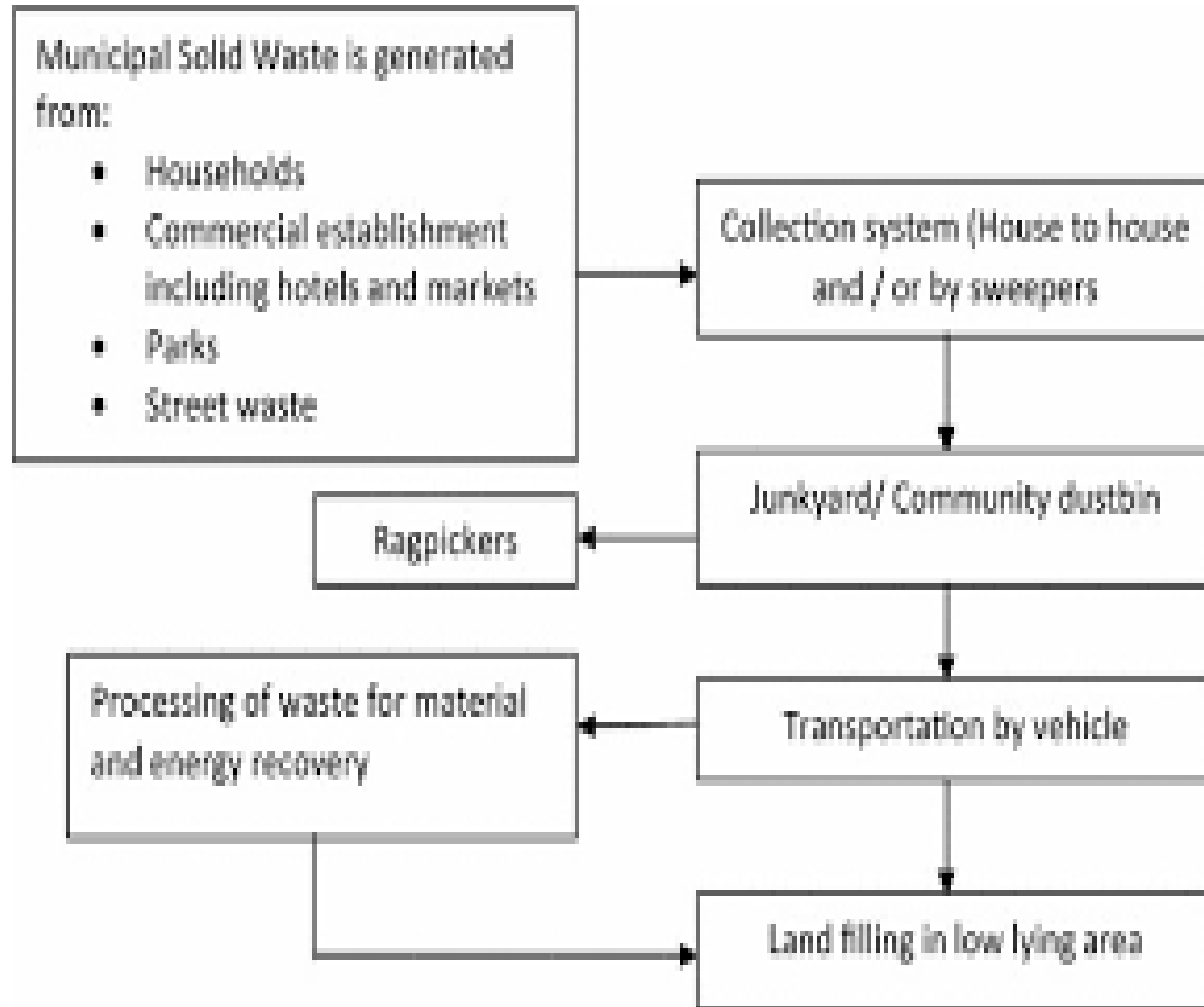
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Municipal solid waste

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.

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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.

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