

A 3D rendered orange figure stands behind a rectangular sign. The figure is stylized with a large head and simple limbs. The sign is light-colored with a thin orange border. The text on the sign is centered and consists of two lines: the top line in blue and the bottom line in green.

**Waste  
management  
alternatives**

**Types of Landfills**

# Types of Landfills

- Sanitary landfills - landfill that uses a clay liner to isolate the trash from the environment
  - Municipal solid waste (MSW) landfills - uses a synthetic (plastic) liner to isolate the trash from the environment
  - Construction and demolition waste landfills - consist of the debris generated during the construction, renovation, and demolition of buildings, roads, and bridges.
  - Industrial Waste Landfills - nonhazardous solid waste, consists of nonhazardous waste associated with manufacturing and other industrial activities
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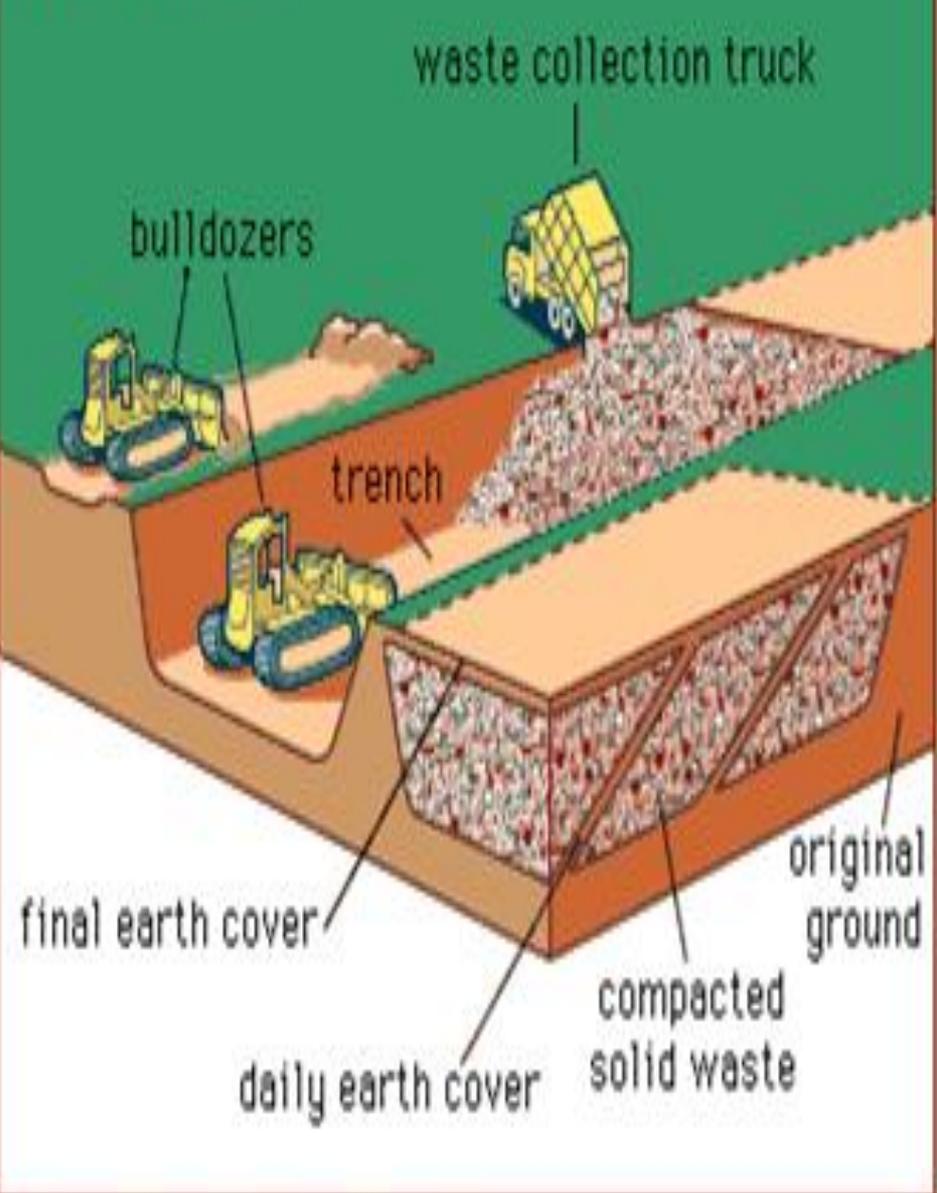


# SANITARY LANDFILLS

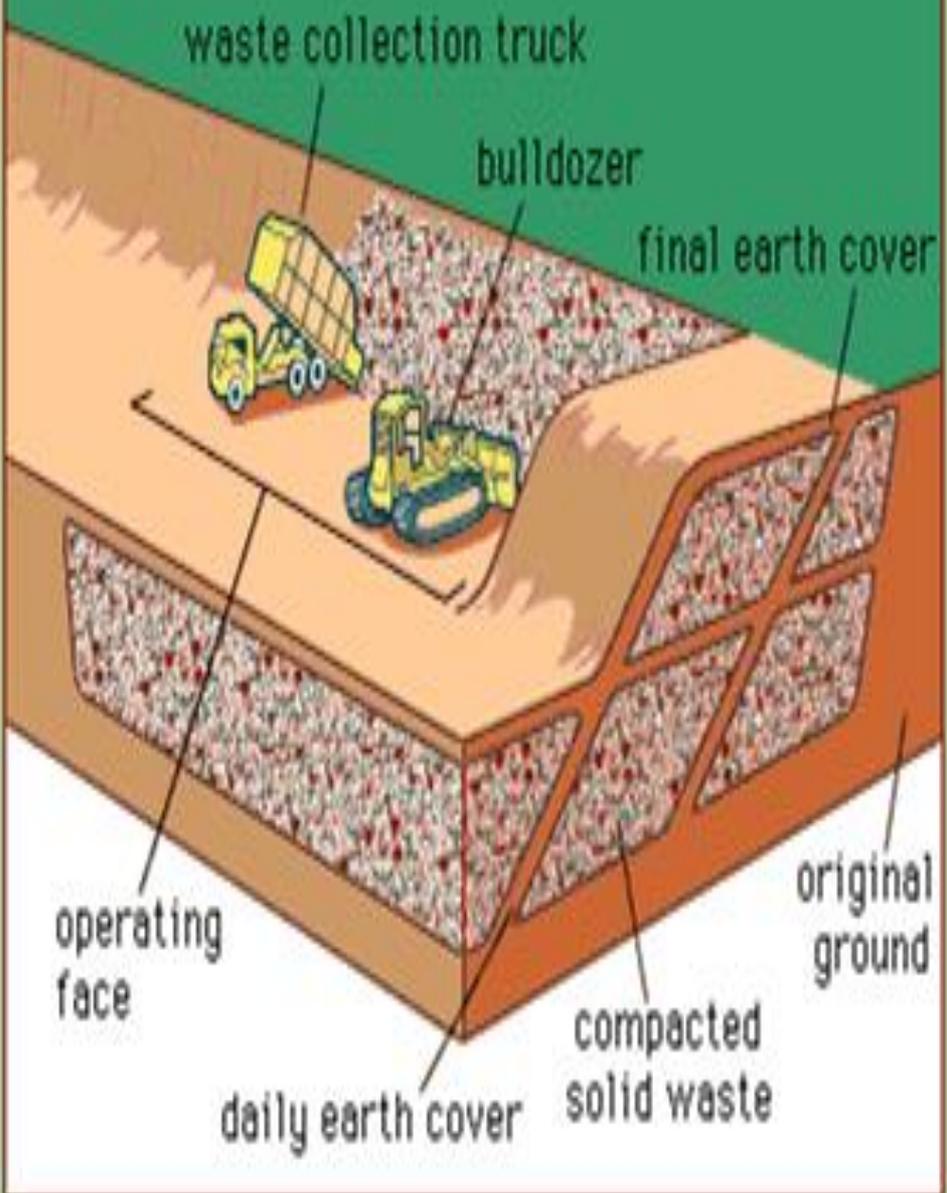
Sights where waste is isolated from the environment until it is safe. It is considered safe when it has completely degraded biologically, chemically, and physically. Sanitary landfills use technology to contain the waste and prevent the leaching out of potentially hazardous substances. There are two main methods used in sanitary landfills, the trench method and the area method.



### Trench method



### Area method



# MUNICIPAL SOLID WASTE LANDFILLS (MSW)



# MUNICIPAL SOLID WASTE LANDFILLS (MSW)

This type of landfill collects household garbage and are regulated by state and local governments. The Environmental Protection Agency (EPA) has established minimum criteria that these landfills must meet. Some materials may be banned from disposal in municipal solid waste landfills. Items such as paints, cleaners, chemicals, motor oil, batteries, and pesticides are some of the common items that are banned from MSW's. However, some household appliances can be turned into MSW's for disposal.

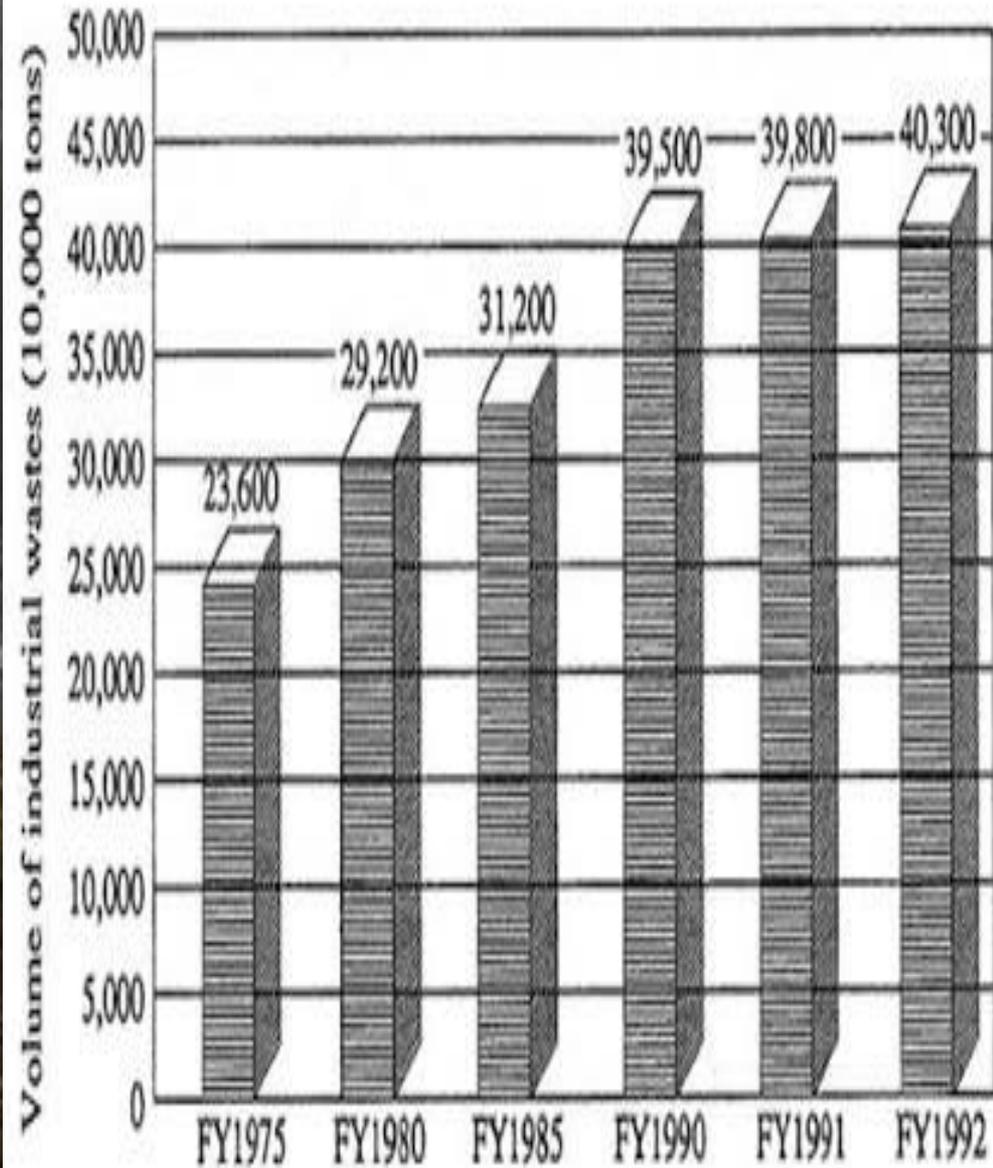
# CONSTRUCTION AND DEMOLITION WASTE LANDFILLS



# CONSTRUCTION AND DEMOLITION WASTE LANDFILLS

These types of landfills used for debris generated during construction, renovations, demolitions of buildings and bridges. The types of debris include: concrete, wood, asphalt, gypsum (the main component of drywall), metals, bricks, glass, plastics, trees, stumps, earth, rock, and building components (doors, windows, plumbing fixtures).

# INDUSTRIAL WASTE LANDFILLS



**INDUSTRIAL**

**WASTE**

**LANDFILLS**

**Industrial hazardous waste is a separate form of waste consisting of nonhazardous waste associated with manufacturing and other industrial activities.**



# Residual Plastic Wastes must find its way to a **SECURED LANDFILL**, which many nations including India does not have



SECURED LANDFILL



# Sanitary Landfill:

