

## Introduction to Waste Management Issues

### Waste management: (Definition)

- the disposal, processing, controlling, recycling and reusing of waste to maintain a habitable environment;

Two main paths for managing waste:

1. waste diversion
2. waste disposal

### 1. Waste Diversion:

- managing solid waste in a way that reduces the amount of waste that needs to be stored or incinerated (burned);
- includes 3 R's (reducing, re-using, re-cycling), composting/biodegradation.

### 2. Waste Disposal:

Two main options:

- burning (incineration, advanced thermal treatment - ATT)
- burying (underground in a landfill)

Issues:

- ◇ Many environmental drawbacks
- ◇ Expensive (In Canada in 2000, 11 million tonnes disposed at cost of 6 billion dollars)

### Three Basic Types of Waste:

- ◇ Solid Waste
- ◇ Wastewater (sewage, sludge/biosolids)
- ◇ Nuclear Waste



## Introduction to Waste Management Issues

### Waste management: (Definition)

- the

Two main paths for managing waste:

1. waste diversion
2. waste disposal

### 1. Waste Diversion:

- managing solid waste in a way that
- includes

### 2. Waste Disposal:

Two main options:

- **burning**
- **burying**

Issues:

- ◇
- ◇

### Three Basic Types of Waste:

- ◇
- ◇
- ◇

