

WORLD HEALTH  
ORGANIZATION



ORGANISATION MONDIALE  
DE LA SANTÉ

**REGIONAL OFFICE FOR THE  
EASTERN MEDITERRANEAN**

**BUREAU RÉGIONAL DE LA  
MÉDITERRANÉE ORIENTALE**

SHORT COURSE ON SOLID WASTES  
COLLECTION AND DISPOSAL

EMRO 134

Lecture No.27

Damascus, 20-30 May 1968

Comprehensive Wastes Management

Although there may be separate heads of departments of sewage collection and disposal, refuse collection and disposal and of air pollution control, there is ~~some one~~ up the management ladder who has responsibility for all three activities: i.e. is concerned with the total problem of wastes management.

A. Interrelation

1. Sewage sludge may be utilized in composting
2. Location of sanitary landfill or dump for residue from incinerator or composting may pose a threat to water supply
3. Disposal of garbage or refuse to sewers causes some problems (may be minor) at sewage treatment plant
4. Incineration, open or controlled burning may cause air pollution
5. Comprehensive studies may provide possible economies.

B. Comprehensive approach

1. Study of a system of fees or charges
  - a. Billing and collection by a utility (water or multi-purpose)
2. Sanitary landfill properly planned to provide reclaimed area for:
  - a. Parks and playgrounds
  - b. School grounds
  - c. Areas for public works activities
  - d. Improve other city-owned properties
  - e. Improve state or federal-owned properties.

3. Secure legislation for control and regulatory purposes
  - a. Assistance and direction by health authorities of prime importance
  - b. Inspection and control by health authorities of public compliance to sanitary regulations
  - c. Can also assist operating department to obtain improved equipment and operating conditions
  - d. State-wide or federal legislation
    - I. Water-pollution control - wider scope
    - II. Air pollution control
    - III. Permission for two or more communities to utilize same wastes collection and disposal systems.
4. Permits and encourages broader scope of planning
  - a. Highways
  - b. Building and industry locations
  - c. Parks and golf course locations
  - d. Schools
  - e. Water supply
  - f. Financial planning.