



SEMINAR ON SANITATION PROBLEMS  
OF RAPID URBANIZATION

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ENGLISH ONLY

ORGANIZATION AND ADMINISTRATION OF ENVIRONMENTAL HEALTH SERVICES

O U T L I N E

by

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WHO Consultant

1. Organization

A. Area of responsibility

1. Federal
2. State
3. Region
4. Country
5. Local

B. Type

1. Part of larger unit
2. Independent
3. Functional
4. Categorical

C. Size

1. Population served
2. Programmes
3. Problems severity
4. Budget

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EMRO/71/1068

D. Programme Areas

1. Water

a. Water quality standards

(Federal, State or Local)

1. Drinking water

(a) PHS drinking water standards

(b) Sanitary standards for bottled water

(c) Ordinances for water well construction

(d) Cross connection control ordinance

2. Recreational waters

(a) Artificial (pools, etc.)

(b) Natural (lakes, estuaries, coastal, etc.)

3. Water for food production

(a) Aquatic (Shell fish, other fish)

(b) Agricultural

4. Industrial water supplies

b. State water pollution control regulations

c. Urban water supply and sewerage systems  
act and regulations (State)

d. Stage increments to supply public facility requirements

e. Water well construction and pump installation act (State)

f. Individual sewerage disposal systems act and regulations  
(State)

g. Plumbing code

h. Zoning ordinance

(1) Flood control zoning

(2) Surface water quality zoning

i. Subdivision regulations

(1) Storm drainage provisions

j. Sedimentation control ordinance

(Urban erosion control)

2. Sewerage
  - a. Urban water supply and sewerage systems act and regulations (State)
  - b. Individual sewerage disposal systems act and regulation (State)
3. Solid Waste disposal code (State or Local)
  - a. Solid waste disposal code (Regional or District)
4. Air pollution
  - a. Air pollution control ordinance
  - b. Zoning ordinance
    - (1) Performance standards for air pollution emissions
    - (2) Air pollution control zones
  - c. Building codes: Standards for heating and incineration equipment
5. Residential environment
  - a. Zoning ordinance
  - b. Subdivision regulations
  - c. Housing, maintenance and occupancy code
  - d. Neighbourhood standards code
  - e. Building code
  - f. Plumbing code
  - g. Electrical code
  - h. Fire code
  - i. Mobile home park ordinance
  - j. Public open space easements over private property
  - k. Private deed restrictions (covenants) especially for common areas managed by home associations
6. Occupational health regulations
  - a. Threshold limit values by American Conference of Governmental Industrial Hygienists
  - b. Uniform industrial hygiene codes, regulations and supplements (State)
  - c. State code and regulations for specific industries, operations and substances
  - d. Occupational disease reporting regulations (State)
  - e. Industrial hazards ordinance (local)

7. Licensing provisions and regulations for institutions (State and/or Local)
8. Recreation
  - a. Campgrounds and organized camps ordinance and/or regulations (State)
  - b. Recreational vehicle parking area ordinance and/or regulations (State)
  - c. Swimming pools and outdoor bathing areas ordinance and/or regulations
9. Injury control programme regulations
10. Radiological health control regulations
11. Milk and Food
  - a. Grade "A" pastourized milk ordinance and administrative procedures (State)
  - b. Requirements and administrative practices in evaluation and certification of milk laboratories (State)
  - c. Administrative procedures for making sanitation ratings of milk-sheds (State)
  - d. Food service sanitation ordinance and code (State)
  - e. Vending of food and beverages sanitation ordinance and code (State)
  - f. Procedures for evaluating food service sanitation programmes
  - g. Sanitation standards for manufactured ice
  - h. Shellfish sanitation (State)
    - (1) Growing areas
    - (2) Harvesting and processing
    - (3) Appraisal of programmes
  - i. Laws and regulations for control of health hazards as related to other foods (eggs, dry milk, meat, infant formulas, shellfish and other fishery products)
12. Vector control regulations (Local)
  - a. Insect vector and rodent provisions of:
    - (1) Housing code
    - (2) Solid waste disposal ordinance
    - (3) General sanitation ordinance

- b. Rodent control ordinance (Local)
  - c. Mosquito control ordinance (State or Local)
    - (1) Encephalitis (Culex Tarsalis)
    - (2) Yellow fever (Aedes Aegypti)
    - (3) Malaria (Anopheles)
    - (4) Pest (various species)
  - d. Mosquito abatement districts (Local)
  - e. Fly control ordinance (Local)
  - f. Dog and cat control ordinance (Local)
  - g. Rabies vaccination law (State)
  - h. Dog licence law (Local)
13. General nuisance ordinance (Local)
14. State sanitary code (General power to regulate sanitary conditions)
15. Noise control (Local)
- a. Noise control ordinance
  - b. Zoning ordinance: Performance standards on industrial and other noises
  - c. Soundproofing code