Annex 4 Summary of Sanitation Requirements during Disasters*

During evacuation

Water

Minimum 3 liters (0.8 US gal) per person per day in cold and temperature climates. Minimum 6 liters (1 1/2 US gal) per person per day in hot climates. Water from suspected sources must be boiled or disinfected.

Waste disposal

All-purpose trench: depth 60 cm (2 ft); width 45 cm (1 ft 6 in); length 3 m (10 ft) per 1000 persons.

Food

Non-perishable, not requiring cooking.

During relief operations

Tent camps

Site:

slope of land and nature of soil favoring easy drainage; protected from adverse weather conditions; away from mosquito breeding-places and refuse dumps; away from commercial and industrial zones.

* Source: M. Assar. Guide to Sanitation in National Disasters, pp. 113-115. The World Health Organization, 1971.

Layout: area 3-4 hectares per 1000 persons (330-440 ft ² per person); width of roads 10 m (33 ft); minimum distance between tent pegs and edge of road 2 m (7 ft); minimum distance between tents 8 m (26 ft); minimum floor area in tent 3 m ² (33 ft ²) per person.
Water distribution: minimum capacity of tanks 200 liters (50 US gal); maximum distance from farthest tent 100 m (330 ft).
Refuse containers: metallic with tight lid; capacity 50-100 liters (13-26 US gal); 1 for every 4-8 tents or 25-50 persons.
Latrine accommodation: 5-6 seats per 100 persons; distance from tents 30-50 m (100-160) ft).
Washing: ablution bench, doubled-sided, 3 m (10 ft) long; 2 for every 100 persons.
Buildings
Accommodation: minimum floor area 3.5m ² (40 ft ²) per person; minimum air space 10m ³ (350 ft ³) per person; minimum air circulation 30m ³ (1100 ft ³) per person per hour; minimum distance between beds 75 cm (2 ft 6 in).
Washing:

1 hand basin for every 10 persons, or 1 wash bench, 4-5 m (13-17 ft) in length, for every 100 persons;

1 shower head for 50 persons in temperate climates, 1 for every 30 persons in hot climates;

separate blocks for men and women.