

44. Emergency water supply

This is an overview of the principles of providing water in emergency situations. It outlines the planning procedures necessary for ensuring adequate supply, rather than focusing on design.

As well as food, shelter, and medical aid, providing clean water is usually one of the highest priorities in the event of an emergency. It should be considered alongside immediate sanitation measures, however, which are just as important in controlling many of the most common diseases found in disaster situations (see pages 21-24).

Responding to an emergency

Assess the situation and identify the needs of the population. Determine the available resources and the potential risks. Develop a plan of action and implement it as quickly as possible. Monitor the situation and adjust the plan as needed.

Water distribution

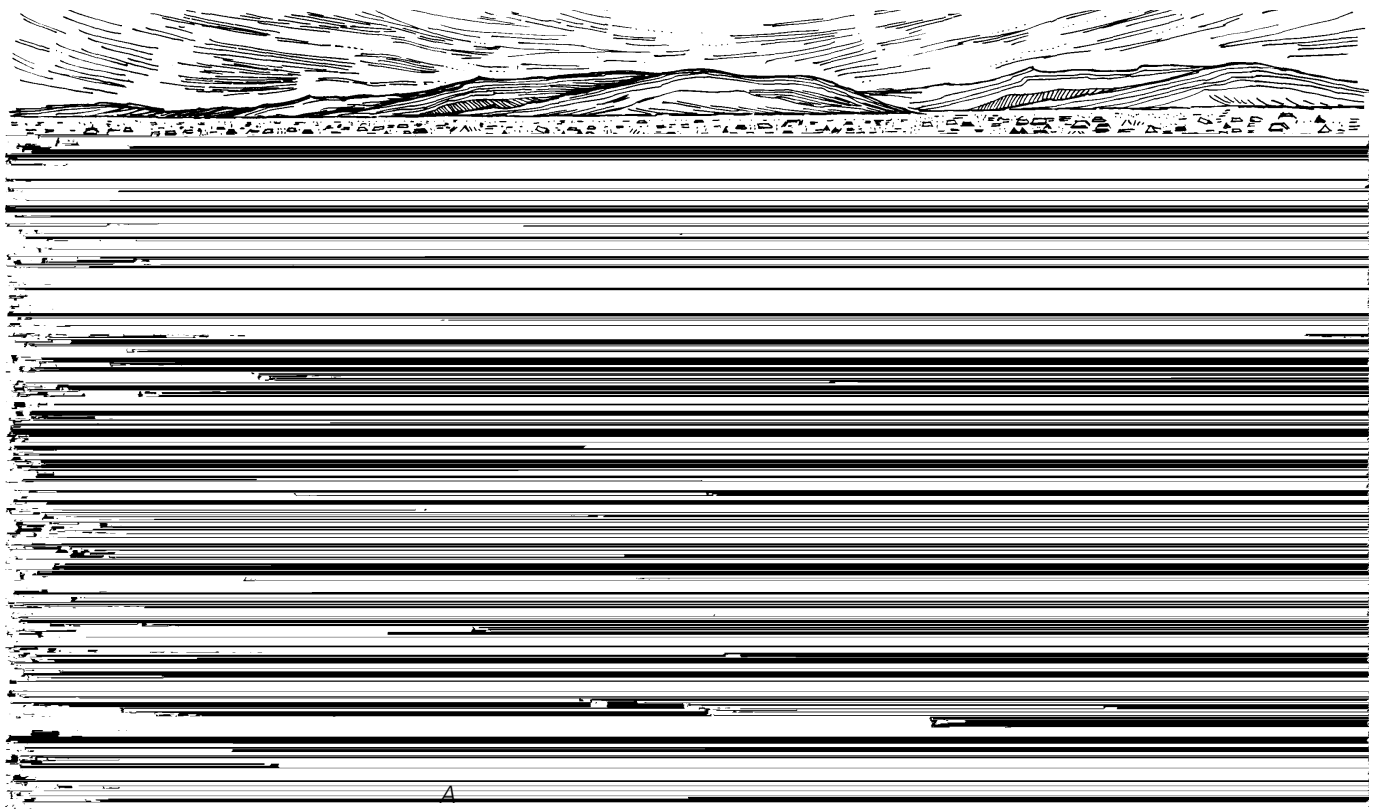
Water distribution should be based on the needs of the population and the available resources. It should be fair and equitable, and should take into account the needs of the most vulnerable groups. Water should be distributed in a way that is safe and hygienic.

Collection and storage

Water collection and storage should be based on the needs of the population and the available resources. It should be safe and hygienic, and should take into account the needs of the most vulnerable groups. Water should be collected and stored in a way that is safe and hygienic.

Planning what to do

- Demand assessment
- Location and protection of water sources
- Water treatment



■ Filtration

Filtration is a process used to separate a mixture of a solid and a liquid. The mixture is poured through a filter, which traps the solid particles while allowing the liquid to pass through. This process is commonly used in chemistry and biology to separate solids from liquids.

For example, if you have a mixture of sand and water, you can use a filter to separate the sand from the water. The sand will be trapped on the filter, and the water will pass through. This is a simple and effective way to separate a solid from a liquid.

