

Food and Water Supporting Document Cont.

MANAGING WATER

Modified from www.ready.gov/managing-water

Water Tips

- Allow people to drink according to their needs.
- Never ration drinking water unless ordered to do so by authorities.
- Drink water that you know is not contaminated first.
- Do not drink carbonated beverages instead of drinking water.
- Turn off the main water valves.

Safe Sources for Drinking, Food Washing/Preparation, Cleaning and Related Uses

- Melted ice cubes.
- Liquids from canned goods such as fruit or vegetables.
- Water drained from pipes.
- Water drained from the water heater.

Unsafe Sources for drinking, food washing/preparation, washing dishes, brushing teeth or making ice

- Radiators Hot water boilers (home heating systems).
- Water from the toilet bowl or flush tank.
- Water beds.
- Swimming pools and spas. (OK for personal hygiene, cleaning and related uses)

Water Treatment Methods:

Let any suspended particles settle and strain with coffee filters or clean cloth. Have necessary materials in disaster supplies for chosen treatment method.

Boiling: Boiling is the safest treatment method. Bring water to rolling boil for 1 full minute, avoid excessive evaporation, let cool before drinking.

Chlorination: Use household liquid bleach (5.25-6.0% sodium hypochlorite). Do not use scented, color safe or bleaches with added cleaners.
Add 16 drops (1/8 teaspoon) bleach per gallon water, stir, let stand 30 minutes.
Water should have slight bleach odor, if not repeat and let stand 15 minutes.
If still no smell of chlorine discard and find another source of water.

Distillation: Consists of boiling water and then collection of only the vapor that condenses. Fill a pot halfway with water, tie a cup to the handle on the pot's lid so that the cup will hang right side up when lid is upside-down place lid upside down on pot (make sure not touching the water) boil the water for 20 minutes. Water that drips in cup is distilled.

Effectiveness of Water Treatment Methods

| Methods | Kills Microbes | Removes other contaminants (heavy metals, salts, and most other chemicals) |
|--------------|----------------|--|
| Boiling | Yes | No |
| Chlorination | Yes | No |
| Distillation | Yes | Yes |

NOTE: There are also commercially available water purification tablets and filters for additional purification. Use per manufacturer's instruction.