

Water Usage & Storage

Water Usage Chart For Disaster Planning							
	1 Day	2 Days	3 Days	4 Days	5 Days	6 Days	7 Days
1 Consumer	1-3 gal	2-6 gal	3-9 gal	4-12 gal	5-15 gal	6-18 gal	7-21 gal
2 Consumers	2-6 gal	4-12 gal	6-18 gal	8-24 gal	10-30 gal	12-36 gal	14-42 gal
3 Consumers	3-9 gal	6-18 gal	9-27 gal	12-36 gal	15-45 gal	18-54 gal	21-63 gal
4 Consumers	4-12 gal	8-24 gal	12-36 gal	16-48 gal	20-60 gal	24-72 gal	28-84 gal
5 Consumers	5-15 gal	10-30 gal	15-45 gal	20-60 gal	25-75 gal	30-90 gal	35-105 gal
6 Consumers	6-18 gal	12-36 gal	18-54 gal	24-72 gal	30-90 gal	36-108 gal	42-126 gal
7 Consumers	7-21 gal	14-42 gal	21-63 gal	28-84 gal	35-105 gal	42-126 gal	49-147 gal
8 Consumers	8-24 gal	16-48 gal	24-72 gal	32-96 gal	40-120 gal	48-144 gal	56-168 gal
9 Consumers	9-27 gal	18-54 gal	27-81 gal	36-108 gal	45-135 gal	54-162 gal	63-189 gal
10 Consumers	10-30 gal	20-60 gal	30-90 gal	40-120 gal	50-150 gal	60-180 gal	70-210 gal

Note 1: Minimum requirement is 1 gallon of water/day/consumer for drinking.

Note 2: Minimum requirement is 3 gallons of water/day/consumer for drinking, cooking, personal hygiene, and sanitation.

Note 3: A consumer represents people and pets.

Note 4: It is recommended to have 7-14 days of water stored to be prepared for any type of disaster (natural or man made).

Purification of Water with Bleach

Water Amount	Cloudy Water	Clear Water
One Quart	4 Drops	2 Drops
One Gallon	16 Drops	8 Drops
Five Gallons	1 Teaspoon	1/2 Teaspoon

Use chlorine bleach (5.25% sodium hypochlorite) non-sudsing and let stand for 30 minutes. There should be a chlorine scent after treating. If not, repeat dosage and let stand another 15 minutes.

Other Water Tips

- Store water in a cool dry dark location in a sturdy plastic opaque container designed for water storage
- Strain out any sediments or particles from the water by pouring it through several layers of coffee filters or cheese cloth
- Another method to purify water is to boil it for 5-10 minutes
- The water heater is a good source of stored water (should flush it out annually)
- Water weighs 8+ pounds per gallon

Water Storage Containers



55 Gallon = 460 lbs
35 Gallon = 293 lbs



15 Gallon = 125 lbs



Pump



Barrel Wrench

Disaster Preparedness Checklists

Essential Documents

- Cash and coins to use for at least two weeks (small bills: ones, fives, and tens) (banks could be closed and ATMs may not work due to damage or no electricity)
- Credit cards phone numbers and account numbers
- A photocopy of your credit cards
- Fire insurance papers
- Car insurance papers
- Mortgage documents and loan papers
- Wills, living trust, deeds documents
- Stocks and bonds documents
- Phone numbers to all your utilities companies (water/gas/electricity/phone)
- Phone numbers to all your banks with account numbers
- Phone numbers to all your extra services such as cell phones, cable/satellite TV, internet providers (you may need to cancel or apply for refunds due to lack of service)
- Keep a back up copy of all important computer files/records on a memory stick
- Copy of your drivers license
- Copy of your social security card (for everyone in your family)
- Copy of your passports
- Copy of medical cards
- Copy of immunization records
- Copy of birth/marriage/divorce/death certificates
- Photos of family members and pets for identification purposes
- List of allergies for each member in your family (medications, food, insects, etc.)
- Disposable camera
- Inventory of household goods
- Video tape of household goods and of home

Disaster Preparedness Checklists

First Aid

- First aid kit
- First aid book
- Medicine dropper (eye dropper)
- Rubbing alcohol
- Germicidal hand wipes or waterless alcohol-based hand sanitizer
- Hydrogen peroxide
- Regular bandages (for minor cuts)
- Sterile bandages (different sizes)
- Ace bandages
- Adhesive tape 1" & 2" width (Transpore)
- Coban tape roll
- Splinting material
- Tissues
- Antiseptic/antibacterial ointments or creams
- Gauze/dressings (Kerlex rolls, 2x2, 4x4, pads)
- Cotton-tipped swabs
- Cold pack
- Tongue depressor blades or popsicle sticks
- Latex or non-latex (if allergic to latex) gloves
- Scissors
- Tweezers
- Finger nail clippers
- Nail file
- Assorted sizes of safety pins
- Thermometer
- Pocket knife
- Needles (for removing splinters)
- Triangle bandage with safety pins (36" x 36" x 51")
- Tube of petroleum jelly or other sterile lubricant
- Sunscreen
- CPR breathing barrier such as a face shield
- Aspirin and non-aspirin pain reliever (Tylenol, Advil)
- Benadryl or an allergy relief medicine
- Anti-diarrhea medication
- Antacid medications for upset stomach
- Laxative
- Bee sting kit (EpiPen, if allergic to bees)
- Snake bite kit with extractor

Plan for the most common injuries or conditions: control bleeding, removing splinters, splint fractures & dislocations, clean & cover cuts, diarrhea & constipation, headaches, and allergy relief.

Disaster Preparedness Checklists

Clothing

- Hat
- Change of clothing
- Extra socks and underwear
- Weather appropriate clothing (cold weather, rain gear/ poncho, etc.)
- Sunglasses
- Sturdy work shoes or boots
- Protective goggles
- Leather work gloves
- Shower shoes or sandals
- Tennis shoes
- Belt
- Earplugs
- Bandana

Food

- Food – (minimum one week supply, preferable two weeks)
- Write out a menu for each day
- Ice chests
- Can meat, chicken, fish, beans, soups, vegetables, fruit
- Shelf milk (comes in boxes and does not need refrigeration)
- Energy bars
- Low-sodium crackers
- Cereals
- Nuts
- Granola bars
- Trail mix
- Dehydrated fruit and meat (beef jerky)
- Vitamins
- Powdered drinks like milk, orange juice, and lemonade
- Bottled fruit drinks and juices
- Peanut butter
- Jelly
- Honey
- MRE (Meals Ready to Eat) Thermometer

Disaster Preparedness Checklists

Pets

- Food (have a minimum of 14-day supply)
- Water (one gallon/day, 14-day supply)
- Restraint (leash or carrier) to secure and transport your pets
- Ensure vaccinations are current and have veterinarian records on hand
- Ensure pets have proper ID (dog tags) with their name, your name, address, and phone number
- Have a current photo of your pets in case they get lost
- Medicine if required (have a minimum of 30-day supply)
- Pet toy

Note: Most human evacuation centers/shelters do not allow animals or pets so you need to identify shelters for your pets before a disaster happens

Sanitation

- Toilet paper
- Sanitation/disinfectant wipes (moistened towelettes)
- Waterless disinfectant soap
- Anti-bacterial hand soap/cleaner
- Bar soap and liquid detergent
- Regular liquid chlorine bleach (5.25% sodium hypochlorite)
- Plastic garbage bags with ties (heavy duty)
- Plastic bucket with tight lid (have plastic bags that can line bucket)
- Latex or non-latex (if allergic to latex) gloves
- Shovel

Shelter

- Blankets and/or sleeping bags and pillow
- Cots or camping mat to sleep on
- Regular tent & Tube tent
- Rope
- Portable lighting (lanterns: gas/battery operated)
- Light sticks
- Chairs (camping/folding) & Camping table
- Plastic sheeting/tarp
- Umbrella
- Duct tape

Disaster Preparedness Checklists

Personal

- Essential medications (prescription drugs & over the counter medicines for adults/children/infants)
- A copy of prescriptions such as for medications, eye glasses, and hearing aids
- Extra pair of eyeglasses (sunglasses) if required to wear eyeglasses
- Contact lenses and supplies if applicable
- Denture supplies if applicable
- Extra batteries for hearing aids if applicable
- Feminine supplies
- Personal hygiene items
- Multi vitamins
- Toothpaste, toothbrushes, and floss
- Bathing towel
- Wash cloth
- Sunscreen
- Insect repellent
- Mirror
- Chapstick
- Games (cards or board type) and book to read
- Favorite toys and games for children

- Paper and pencils/pens
- Permanent marker
- Back pack/day pack
- Butt/fanny pack
- Whistle
- Put together a “Grab & Go Bag” for every family member to include pets (5 minutes to evacuate)
- Learn CPR and First Aid (CDR3 offers a combined course for \$25)

Special Needs Individuals (infants/elderly/physically disabled/special medical needs)

- Baby supplies: formula, powered milk, bottles, pacifier, baby soap, baby powder, diaper rash crème, medicines, clothing, blankets, baby wipes, disposable diapers, canned foods, and juices
- Special supplies and equipment for “special needs people”
- Medications (some may need refrigeration)
- Blind or visually impaired (Seeing Eye dogs, walking stick, or lack of mobility)
- Hearing impaired (extra batteries for hearing aids)
- Mobility impaired (wheelchairs, walking aids, batteries for electric chairs, etc.)

Disaster Preparedness Checklists

Special Needs Individuals

cont.

- Special diet requirements
- Specialized, dialysis, etc.) medical equipment (oxygen, pumps, catheters)
- Elderly (may not drive and need help during evacuation)
- Non-English speakers (may not understand directions or warnings and act confused)
- Single parent families (children may need help if parent is separated from them)
- Families without vehicles (may need help during evacuation)

Cooking

- Can opener (non-electric)
- Heavy-duty aluminum foil
- Camping stove with spare fuel (caution: never use inside a building or confined space; make sure there are no gas leaks; and never use charcoal indoors)
- Camping table
- Ice chest

- Matches in water proof container (one box of water proof matches)
- Gas lighter stick
- Sterno (canned fire gel)
- Pots and pans
- Plates, cups, knives, forks, spoons (disposable)
- Utensils
- Paper towels
- Resealable plastic bags (quart and gallon size)
- Plastic storage containers
- Disinfectant wipes
- Latex or non-latex (if allergic to latex) gloves
- Three 5-gallon plastic buckets (soap rinse/bleach rinse/water rinse)
- Sponges
- Dish towels
- Dish scrubber
- Clothes pins
- Tooth picks

Disaster Preparedness Checklists

Tools/Equipment

- Portable radio with spare batteries and 110 volt A/C plug
- Flashlights with spare batteries (one per person)
- Leather work gloves
- Dust masks
- Protective goggles
- Fire extinguisher (A-B-C- type)
- Whistle
- Matches (in waterproof container) and gas lighter stick
- Candles
- Razor blade knife (box cutter) with extra blades
- Pocket Knife
- Rope (100' of 1/2" rope)
- Sash cord (clothes line rope)
- Tarps and plastic sheeting
- Garden hose
- Regular pliers and needle nose pliers
- Wire cutters
- Channel lock pliers
- Vise-grip pliers
- Duct tape
- Adjustable wrench (crescent wrench) for turning off the gas and water valves
- Basic socket set
- Allen wrenches
- Claw hammer
- Hacksaw
- Crowbar
- Cordless drill/screw driver
- Course drywall screws (1 1/4" – 3")
- Tape measure
- Electrical extension cord
- 5-gallon plastic buckets
- Axe or hand saw
- Shovel
- Broom
- Nails (assorted sizes)
- Staple gun with assorted length of staples (3/8" – 9/16")
- Flat screw driver
- Philips screw driver
- Bungee cords
- Needles and thread
- Pencils, pens, paper, envelopes and stamps

Disaster Preparedness Checklists

Vehicles

- Extra set of house and car keys
- Maps of local area and state highway maps
- Inverter for car (converts direct current (DC) to alternating current (AC))
- Keep your vehicle's gasoline tank always at least ½ full
- Phone numbers to out of state relatives
- Flash light with spare batteries and bulb (test monthly)
- Jumper cables
- Blanket
- Warm clothes
- Walking shoes
- Toiletries
- Water (check monthly)
- Non-perishable food (energy bars) (check monthly)
- Flares
- Spare fuses for vehicle
- Spare cash (small bills)
- Two cans of "Fix A Flat"
- Duct tape
- First aid kit
- Leather work gloves (example for use would be changing a flat tire)
- Car tool kit (Sample: standard flat screw drivers (assorted sizes), Phillips screw drivers (assorted sizes), channel locks, adjustable wrench, needle nose pliers, regular pliers, vise grips, hammer, leather work gloves, electrical tape, duct tape, flashlight with spare batteries & bulb, 2A10BC fire extinguisher, pocket knife, razor blade knife with extra blades, and whistle)
- Tire pressure gauge
- J-B Weld Cold Weld
- Make sure you have the tools to change a flat tire
- Make sure you know how to change a flat tire
- Air in your spare tire
- Vehicle owner's manual
- Personal protection device
- Mirror for signaling
- Two quarts of motor oil
- Snow chains (if live in possible snow areas)
- Cash
- Large trash bags

Disaster Preparedness Checklists

Water

- Water – 1 gallon per person & pet per day for drinking purposes (minimum one week supply, preferable two weeks) (up to 3 gallons per person per day if you want to include cooking and sanitation)
- A copy of the “Water Usage Chart For Disaster Planning” @ www.cdr3.org
- Water purification kit
- Paper coffee filters or cheese cloth (for filtering water)
- Eye droppers for adding bleach (keep it for this purpose only)
- Regular liquid chlorine bleach (5.25% sodium hypochlorite)
- Portable water bottles for carrying on you (quart size)
- Portable water containers (1 gallon to 5 gallon sizes - water weighs 8+ pounds/gallon)
- 5-gallon collapsible water container
- Water storage containers (15 gallon to 55 gallon sizes – for bulk storage: may need pump and barrel wrench depending on the type and size of container)
- Store water in a cool dry dark location in a sturdy plastic opaque container designed for water storage
- Strain out any sediments or particles from the water by pouring it through several layers of coffee filters or cheese cloth
- Purification of water with bleach refer to the “Water Usage Chart For Disaster Planning”
- Another method to purify water is to boil it for 5-10 minutes
- The water heater is a good source of stored water (should flush it out annually)

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Any Questions

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