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Emergency preparedness is a key function of the Carson City Fire Department. The department works with local, state, and federal partners preparing for natural and man-made emergencies that could impact our community.

Improving preparedness is not just a job for professionals. Private citizens, like you, need to become better prepared to respond appropriately in an emergency.

This guide has been assembled as a reference and educational tool that includes:

- Steps for making a family plan for disasters and emergencies, including advice about people with special needs, children, and pets.
- Steps for making a disaster supply kit.
- Facts about natural and man-made threats.
- Resource and contact information.

We recommend that you read this guide thoroughly and complete the pull-out section in the back with your personal information. Then store it in a convenient location so that you can refer to it in the event of an actual emergency.

Keep in mind that preparedness strategies are refined and updated continually. For current information, visit the websites noted in the back of this guide.

With a little planning and common sense, you can be better prepared for the unexpected.

# Creating Your Family Emergency Plan

#### **EVALUATE**

Identify and discuss what kinds of disasters are most likely to occur and how they will affect your family and property.



## PREPARE AND PLAN

#### Communication

Your family may not be together when disaster strikes, so plan how you will contact one another, and review what you will do in different situations.

- Designate an emergency contact. It may be easier to make a long-distance phone call than to call across town in an emergency. An out-ofstate contact may be in a better position to communicate among separated family members.
- Plan to have at least two means of communicating (e.g., email, phone, cell phone, two-way radios).
- Teach children how and when to call 9-1-1 for emergency help.
- Post emergency telephone numbers by phones.

#### Safety

- Pick two places for your family to meet in an emergency. For example:
  - Right outside your home in case of a sudden emergency, like a fire.

# Make a Plan

- Outside your neighborhood in case you can't return home. Make sure everyone knows the address and phone number of the meeting place.
- Teach family members how to use ABC type fire extinguishers, and show them where they are kept.
- Install smoke detectors on each level of your home, especially near bedrooms.
- Conduct a home hazard hunt.
- Assemble an emergency supply kit. (See Page 13.)
- Review your homeowner's insurance policy.
- Take first aid, CPR, and disaster preparedness classes, which are provided by the Fire Department.
- Determine the best escape routes from your home. Find at least two ways out of each room.
- Find areas in your home where you and your family can shelter-in-place. (See below.)

#### Stay up-to-date

- Quiz your kids every six months.
- Conduct fire and emergency evacuation drills.
- Test and recharge your fire extinguisher(s) per manufacturer's instructions.
- Test your smoke detectors monthly and change the batteries at least once a year.

### PLANNING TO "SHELTER-IN-PLACE"

If an emergency involving a chemical or radiological release occurs, the safest course of action for the

public may be to "shelter-in-place." This term may cause confusion, and it is helpful to know the basic steps.

## How to shelter-in-place

- Shut and lock all windows and doors.
- Turn off all air-handling equipment (heating, air conditioning).
- Go to a pre-determined room or rooms.
- Seal any windows and/or vents with sheets of plastic and duct tape.
- Seal the door(s) with duct tape.
- Turn on a TV or battery-operated radio and listen for further instructions.
- When the "all clear" is announced, open windows and doors, turn on ventilation systems, and go outside until the building's air is exchanged with the now clean outdoor air.

If you must shelter-in-place in a business or office setting, there are additional steps to consider:

- Employees cannot be required to shelter-inplace. It is important to develop a plan with employee input to maximize cooperation with the shelter plan. Poll employees to determine who will be willing to shelter-in-place and who will leave.
- Develop an accountability system. Know who is in your building and where they are located.
   Advise visitors of a decision to shelter-in-place if the procedure is implemented.
- Assign duties to specific employees and designate back-ups.

# Make a Plan

Exercise your shelter-in-place plan with drills.
 Include employees in an evaluation of the drill.
 Incorporate lessons learned into your shelter-in-place plan.

## PLANNING FOR EVACUATION

#### **Before**

- Map locations of local shelters and safe locations out of the area. (See Appendix for additional information.)
- Be familiar with alternate driving routes.
- If you have children in schools, become familiar with the school's emergency plan and where students evacuate.
- Be familiar with your workplace evacuation plan.
- Keep a half tank of gas in your vehicle at all times. Never store gasoline in your home, vehicle, or shed.
- Prepare for any special considerations. (*Noted in the Special Needs section.*)

## During

- Monitor the news for instructions about evacuation.
- If told to evacuate, do so quickly.
- Bring your emergency supply kit.
- Lock the door of your home. Leave a note in a sealed envelope marked "emergency information" in an obvious location. Include when you left, where you were going, and contact numbers.

#### If time allows:

• Inform your emergency contact of your plans.

- If instructed, shut off water, gas, and electricity.
- Check with neighbors who may need assistance.

## **SPECIAL NEEDS**

#### Children

Children depend on daily routines: they wake up, go to school, and play with friends. When emergencies interrupt the routine, children may become anxious.

In a disaster, children look to adults for help. How adults react during emergencies clues them on how to act. They see the fear in adults as proof of real danger.

Be aware that during emergencies, children mostly fear:

- The event will happen again.
- Someone will be injured or killed.
- They will be separated from the family or left alone.

To reduce a child's fear and anxiety:

- Keep the family together. Bring them with you while you look for housing and assistance.
   Children will worry that their parents won't return.
- Calmly explain the situation. Get down to their eye level and tell them what you know and what might happen next. For example, "Tonight, we will all stay together in the shelter."
- Encourage children to talk about the disaster and ask as many questions as they want.
   Encourage them to describe their feelings and listen to them. If possible, include the entire family in the discussion.

# Make a Plan

 Include children in recovery activities. Give them chores to feel part of the process and to reinforce that everything will be all right.

## Disabled, handicapped, or elderly family members

Advance preparation for disabled, handicapped, or elderly family members should include how and where to evacuate. Identify special needs shelters equipped with medical staff and specialized equipment in an emergency. (See Appendix for additional information.) Become familiar with shelter policies regarding the number of people allowed to accompany a family member with special needs.

#### Pets

If you must evacuate, do not leave your animals

behind. Evacuate them to a prearranged location if they cannot stay with you. Remember, many disaster shelters cannot accept pets. Service animals that assist disabled people are the only animals allowed in many shelters. It may be difficult to



find shelter for your pets in an emergency, so plan ahead.

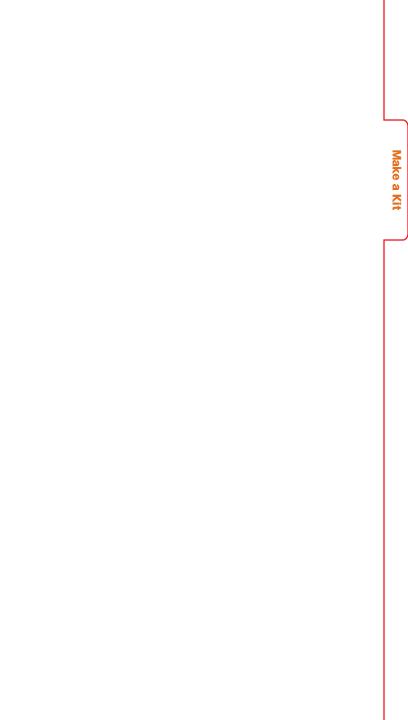
- Contact motels outside your immediate area to check policies on accepting pets. Ask if "no pet" policies are waived in emergencies.
- Inquire with boarding facilities and veterinarians about sheltering animals in an emergency.
- Ask friends or relatives outside the area whether they could shelter your animals.

# Make a Plan

- Ask local animal shelters if they provide emergency shelter for pets in a disaster. They may be overburdened already so this should be a last resort.
- Keep a list of "pet friendly" places, including 24-hour phone numbers, in your kit.

## Large animals

Owners of large animals, such as horses or cattle, should prepare an animal emergency plan according to specific needs. Talk to your veterinarian, animal handler, and local emergency management office.



After a disaster, emergency responers and relief workers are not always able to reach everyone immediately. In a minor emergency, help could arrive within hours. However, in a large-scale disaster, it may take days for help to arrive.

During or after an emergency, you won't have time to search for supplies. Use the following guidelines to assemble an emergency supply kit.

#### WATER

Store water in plastic containers, like two-liter softdrink bottles. Avoid containers that decompose or break.

General water storage guidelines:

- Store one gallon per person per day (two quarts for drinking, two quarts for food preparation/ sanitation).
- Keep a three-day supply of water for each person in your household.

## **FOOD**

Store a three-day supply of non-perishable foods that require little or no water to prepare. If you must heat



food, pack Sterno (a portable cooking fuel canister).

Include a selection of these foods:

- Ready-to-eat canned meats, fruits, and vegetables
- Canned juices, milk, and soup (if powdered, store extra water)

# Make a Kit

- Peanut butter, jelly, crackers, granola bars, trail mix, and other high-energy foods
- Vacuum-packed tuna, etc.
- Vitamins
- Baby food and formula
- · Food for those requiring special diets
- Comfort and stress foods
- Sugar, salt, pepper, and other staples

#### FIRST AID KIT

Assemble a first aid kit for your home and one for each car. Include the following items:

- Sterile adhesive bandages in assorted sizes, triangular bandages, 2- and 3-inch sterile roller bandages
- 2- and 4-inch sterile gauze pads
- Hypoallergenic adhesive tape
- Scissors and tweezers
- Moistened towelettes
- Antiseptic
- Thermometer
- Medicine dropper
- Tongue depressors
- Tube of petroleum jelly or other lubricant
- Assorted sizes of safety pins
- Latex gloves
- Sunscreen

Include the following medications:

- Aspirin or non-aspirin pain reliever
- Anti-diarrhea medication

- Antacid
- Laxative
- Activated charcoal\*
- Prescriptive medicines (two-week supply), including insulin and needles, if applicable
  - \*Use only if advised by the Poison Control Center

#### **TOOLS AND EMERGENCY SUPPLIES**

- Mess kits or paper cups, plates, and plastic utensils
- Emergency preparedness manual
- Extra set of car and house keys
- Battery-operated radio and extra batteries
- Flashlight and extra batteries
- Cash or traveler's checks, including change
- Non-electric can opener and utility knife
- Fire extinguisher: small canister, ABC type
- Small tent
- Pliers
- Duct tape
- Compass
- Matches in a waterproof container
- Aluminum foil
- Plastic storage containers
- Signal flare
- Paper and pencil
- Needles and thread
- Shut-off wrench to turn off gas and water valves
- Whistle

# Make a Kit

- Plastic sheeting for doors, windows, and vents
- Map of the area for locating shelters

## Sanitation supplies and toiletries

- Toilet paper and towelettes
- Soap and liquid detergent
- Feminine supplies
- Personal hygiene items
- Plastic garbage bags and ties for sanitation uses
- Plastic bucket with tight lid
- Disinfectant
- Household chlorine bleach
- Diapers
- Denture needs
- Hearing aid batteries
- Contact lenses and supplies or extra eyeglasses

#### CLOTHING AND BEDDING

Pack one complete change of clothing and shoes for each person. Rethink your clothing supplies periodically to account for growing children and

other family changes. The following items are suggested:

- Long pants and longsleeved shirt
- Sturdy shoes, hat, and gloves
- A jacket or coat
- Thermal underwear
- Sunglasses
- Blanket or sleeping bag for each person



## Important family documents

- Will, insurance policies, contracts, deeds, stocks
- Passports, social security cards, immunization records
- Bank and credit card account numbers
- Inventory of valuable household goods, important phone numbers
- Family records (birth, marriage, death certificates)

## SPECIAL CONSIDERATIONS

#### Children

Prepare a mini kit for your children to supplement the main kit. Include items to help your children feel safe, stay comfortable, and occupy their time:

- Several favorite books
- Crayons and paper
- Several favorite small toys and/or stuffed animals
- Board games and/or puzzles
- A favorite blanket or pillow
- Family and pet pictures

# Disabled, handicapped, or elderly family members

#### Supplies to consider:

- Two-week supply of medications and disposable dressings, nasal cannulas, catheters, etc.
- Electrical backup for medical equipment
- For respirators and other electric-dependent medical equipment, check with your physician or supplier concerning emergency plans

# Make a Kit

- Copies of prescriptions for medical equipment, supplies, and medication
- Wheelchair or walker, crutches or canes

#### Pets

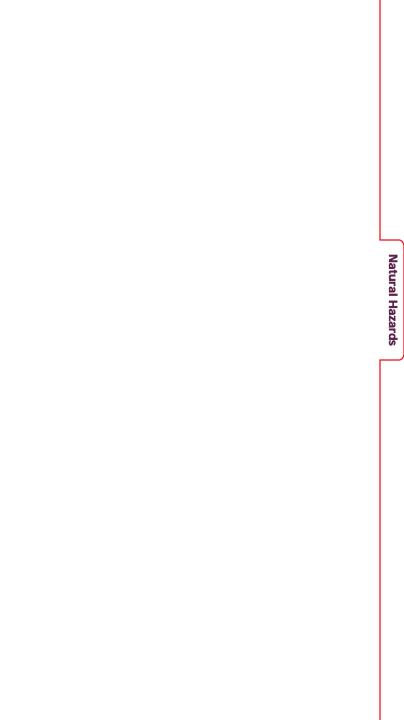
Prepare a mini kit for your pets, including:

- Medications and medical records
- Sturdy leashes, harnesses, and/or carriers
- Current photos of your pets in case they get lost
- Food, potable water, bowls, cat litter/pan
- Information on feeding schedules, medical conditions, behavior problems, and veterinarian
- Pet beds and toys, if easily transportable

## AFTER ASSEMBLING YOUR KIT

- Store the kit in a convenient place known to all responsible family members.
- Keep a smaller version of the kit in your car.
- Keep items in airtight plastic bags or containers.
- Change stored water and food every six months.
- Re-evaluate your kit and family needs yearly.
- Replace batteries, update clothes, etc., as needed.
- Consult your physician or pharmacist about storing prescription medications.

Place items in an easy-to-carry container, such as a covered trash container, backpack, or duffel bag.



## **FLOODS**

Flash floods usually result from intense storms dropping large amounts of rain within a brief period and may quickly occur with little or no warning.



#### **Before**

Familiarize yourself and your family with these terms:

- Flash flood watch—Flash flooding is possible. Be prepared to move to higher ground.
- Flash flood warning—Flash flooding is occurring. Seek higher ground on foot immediately.
- Familiarize yourself with local flood hazards.
   Plan for alternative routes in the event of a flood.

- If instructed, turn off utilities at the main switches or valves. Disconnect electrical appliances. Do not touch electrical equipment if you are wet or standing in water.
- Do not wade through moving water or allow children to play in floodwaters. Just six inches of moving water can sweep a person off his or her feet.
- Do not drive into flooded areas. As little as one foot of moving water can move cars off the road.

- If floodwaters rise around your car, abandon the car and move to higher ground, if you can do it safely.
- Stay away from power lines.

#### After

- Avoid floodwater as it may be contaminated.
- Be aware of areas where floodwaters have receded. Roads may have weakened and could collapse under the weight of a car.

#### **FIRES**

Fire spreads quickly, leaving no for someone time to gather valuables or make a phone call. In just two minutes, a fire can become life threatening. In five minutes, a home can be engulfed in flames.

Heat and smoke from fire can be more dangerous than the flames. Inhaling the hot air can sear your lungs, and the fire's poisonous gases can make you disoriented.

- Use water or a fire extinguisher to put out small fires. If you are unsure whether you can control it, evacuate and call the fire department from a nearby phone.
- Never use water on an electrical fire.
- Smother oil and grease fires in the kitchen with baking soda or salt, or cover with a lid if it is burning in a pan.
- If escaping through a closed door, use the back of your hand to feel the top of the door, the doorknob, and the crack between the door and the frame. Never use your palm or fingers to test for heat since burning those areas could impair your ability to escape.

- If you must exit through smoke, crawl low under the smoke to your exit.
- Close doors behind you as you escape to delay the spread of the fire.

#### After

- Give first aid where needed. Cool and cover burns to reduce chance of further injury or infection.
- Do not enter the fire-damaged buildings without permission from authorities.
- If you shut off the main gas line, allow a gas company representative to turn it on again.

#### **POWER OUTAGES**

A sudden loss of power that lasts for more than two hours can pose potential problems in your home.

- Turn off lights and electrical appliances except for the refrigerator and freezer. Turn off light switches, buttons on lamps or appliances. Do leave one lamp on so you will know when power is restored.
- Never use gas or charcoal barbecues inside.
- If the traffic lights go out, treat all intersections as four-way stops.
- Minimize driving to conserve fuel.
- Stay away from downed power lines and sagging trees with broken limbs.
- Don't get wet if you have no way of getting dry.
- Operate electric garage doors by hand.

#### After

 Wait 15 minutes after power is restored before turning on appliances. Remember that gas heaters, thermostats, furnace fans, and blowers run on electricity.

## **EXTREME HEAT**

Temperatures that hover 10 degrees or more above the average high temperature and last for several weeks are defined as extreme heat.

Heat disorders occur because a person has been overexposed to heat, has over exercised, or has been exposed to stagnant atmospheric conditions and poor air quality.

- Stay indoors. If air conditioning is not available, stay on the lowest floor out of the sunshine.
- Drink plenty of water regularly. People with medical conditions should consult a doctor before increasing liquid intake.
- Limit intake of alcoholic beverages.
- Dress in loose-fitting, lightweight, and lightcolored clothes that cover as much skin as possible.
- Wear a wide-brimmed hat to protect face and head.
- Avoid too much sunshine and use sunscreen with a high SPF rating.
- Avoid extreme temperature changes. A cool shower immediately after coming in from the heat can result in hypothermia.
- Reduce, eliminate, or reschedule strenuous activities. Get plenty of rest to allow your natural "cooling system" to work.

#### WINTER WEATHER

Winter weather can bring high winds, freezing rain and sleet, heavy snowfall, and extremely cold temperatures. These may bring power outages, hampered travel and access to needed supplies and food.

#### **Before**

- Wrap all exposed pipes with insulation or protective covering.
- Ensure all heating appliances are serviced and ventilated properly.
- Ensure all heating fuels are at sufficient levels.
- Prepare a disaster kit that contains 3 days of food and water.
- Monitor local news and weather stations.
- Form a communications plan with friends and neighbors.
- Ensure all outside pets are properly protected.
- Prepare a small emergency kit for your automobile.

- Stay at home unless travel is necessary.
- Use only proper sources of heat to stay warm ovens and stoves are dangerous.
- Ensure that portable heaters are monitored and not close to combustibles.
- Close off unused rooms to conserve heat and energy.
- If you need to shovel snow, dress warm with layers, pace yourself, and take breaks.

 Use your engine for warmth every 10 minutes; constant running may cause carbon monoxide poisoning.

#### After

- Check your home for damage, broken pipes, snow overload on roofs, and ice buildups.
- If you are in an automobile, only venture out for help when the weather passes and you can see structures as shelters.
- Restock food and supplies used during the event.
- Notify all friends and family that you are safe and check on neighbors.

#### Additional Information

Winter storm watch: Conditions are favorable for hazardous weather, including heavy snow and blizzards. Significant accumulations of freezing rain or sleet and dangerous wild chills.

Winter storm warning: Conditions that pose a threat to life and property are occurring and imminent. Usually when there are two more events, heavy snow, freezing rain, strong winds, blizzards, and ice storms.

#### **EARTHQUAKES**

History has shown that earthquakes strike suddenly and violently without warning. Most people are injured by falling debris and heavy objects.

#### Before

- Fasten shelves and tall objects to the wall.
- Place large and heavy objects on lower shelves.
- Strap hot water heaters to the wall for stability.

- Store chemicals and pesticides in a secure cabinet.
- Know where the shut-offs are for electricity and all utilities.
- Build a family disaster kit with 3 day's worth of food and water.
- Prepare a First Aid Kit.
- Practice a family escape plan.

#### **During**

- Take cover under heavy furniture or against inside walls.
- Remain inside until all movement has subsided.
- If outside, move to an open area away from buildings and power lines.

#### After

- Check your home for damage, fire, and gas leaks.
- Rescue family members and friends who may be injured or trapped.
- Do not move severely injured victims unless necessary.
- Listen to the news on battery powered radio or TV.
- Do not enter badly damaged buildings to search for victims.
- Clean up any chemicals that may have spilled, wearing proper protection.
- Open all doors and closets slowly due to falling objects.

#### BIOLOGICAL AGENTS

Biological agents are bacteria, viruses, or toxins that can cause deadly diseases in people, livestock, and crops.

It is important to know that only a small number of



biological agents are viable as terrorist weapons. Most potential agents cannot survive outside of narrow temperature ranges, and are too rare or difficult to grow.

If officials detect a biological threat, they will provide the public with information and guidance based on the specific circumstances of the attack.

Potential agents include:

#### Anthrax

Anthrax is a serious disease caused by a bacteria called *Bacillus anthracis*. Three types of anthrax include skin (cutaneous), lungs (inhalation), and digestive (gastrointestinal).

- Anthrax mostly occurs in animals, but humans become infected with anthrax when exposed to infected animals, their tissue, or spores of the bacteria released into the air.
- Antibiotics can be prescribed to treat anthrax. To be effective, treatment should start early.

#### **Botulism**

Botulism is a muscle-paralyzing disease caused by a toxin made by a bacterium called *Clostridium* botulinum, which is found in soil. There are naturally-occurring forms of botulism:

- Food-borne botulism occurs when a person ingests pre-formed toxin that leads to illness within a few hours to days. The most common source is home-canned foods.
- Infant botulism occurs in a small number of susceptible infants each year who harbor *C.* botulinum in their intestinal tract.
- Wound botulism occurs when wounds are infected with *C. botulinum* that secretes the toxin.

Botulism could be engineered as an aerosol weapon used to contaminate food products.

Supportive hospital care is required to treat botulism. A botulism antitoxin is effective in reducing the severity of symptoms if administered early in the course of the disease.

#### Plague

Plague is a disease caused by *Yersinia pestis*, a bacterium found in rodents and their fleas. Plague can be spread from person to person, and can result in a high number of fatalities.

- Plague has three forms or stages: bubonic (concentrated in the lymph nodes), septicemic (in the bloodstream), and pneumonic (in the respiratory system).
- Plague could be engineered into an aerosol for use as a bioterrorist weapon. However, the bacteria cannot survive long in the open air.
- Plague can lead to high fatalities; however, it is treatable with antibiotics.

#### Ricin

Ricin, a toxin made from castor beans, can be in the form of a powder, mist, pellet or dissolved in water

or acid. Ricin poisoning can be caused by inhaling, ingesting, or injecting the toxin.

The poison works by preventing the body's cells from making the protein they need. Without the protein, cells die and eventually the whole body can shut down. No antidote exists for ricin; however, supportive medical care may minimize the effects. If death does not occur within three to five days, the victim usually recovers.

#### **Smallpox**

Smallpox is a serious, contagious, and sometimes fatal disease caused by the variola virus. The illness is characterized by a fever and a distinctive progressive skin rash.

Smallpox was eradicated after a worldwide vaccination program. However, now there is heightened concern that aerosolized smallpox could be used as a bioterrorist agent.

Smallpox is spread through contact with an infected person or contaminated objects. There is no specific treatment for smallpox; however, a vaccination can provide protection if given within three days of exposure.

#### Tularemia

Tularemia is a potentially serious illness that occurs naturally. It is caused by the bacterium *Francisella tularensis*, which is found in rodents, wild rabbits, and hares. People can get tularemia several different ways:

- Being bitten by an infected insect
- Handling infected animal carcasses
- Eating or drinking contaminated food or water
- Breathing in the bacteria

Tularemia could be made into an aerosolized form for intentional inhalation exposure.

People who have been exposed to the tularemia bacteria should be treated as soon as possible. The disease can be fatal if it is not treated with the right antibiotics.

#### Viral hemorrhagic fevers

Viral hemorrhagic fevers refer to a group of illnesses caused by several distinct families of viruses. In general, the term "viral hemorrhagic fever" is used to describe a severe multisystem syndrome. These symptoms are often accompanied by hemorrhage (bleeding). While some types of these viruses can cause relatively mild illnesses, many cause severe, life-threatening disease.

Viral hemorrhagic fevers have been identified by the federal government as a potential bioweapon due to the fact that they were previously weaponized by the former Soviet Union. However, sophisticated skills and equipment are required to manipulate these viruses.

## Pandemic Influenza (bird flu)

Pandemic influenza is a widespread outbreak of disease caused by a shift in the viral strains of the flu. This results in the appearance of a new influenza virus to which few (if any) people are immune. This new flu virus spreads easily from person to person and could quickly travel around the world, thus creating a pandemic illness. History has revealed that pandemic flu illness will peak several times during the season, coming in "waves" that can last months at a time. There will be serious social impacts on everyday life if millions of people are sick or perish at the same time. Effects will influence the operation of schools, businesses,

transportation, health care, fire/police, as well as basic day-to-day services.

#### Before

- Wash hands frequently, and sneeze into your arm and not your hands.
- Store food, water, and basic supplies (batteries and candles) for up to 3 weeks.
- Get the annual flu shot when provided.

#### During

- Practice social distancing and avoid the popular handshake.
- Avoid travel to highly populated areas.
- Arrange to work from home if possible.
- Monitor local news for information on the outbreak and where you can go for treatment.
- If you must go out or report to work, maintain a 3-to-6 foot distance from others.

## **NUCLEAR & RADIATION EMERGENCIES**

Because of recent terrorist events, people may be concerned about the possibility of an attack involving radioactive materials. While unlikely, everyone should be aware of radiological threats and how to deal with them.

"Dirty bombs" or radiological dispersal devices (RDD) combine conventional explosives, such as dynamite, with radioactive materials. These devices are not nuclear weapons and would not create a nuclear explosion. Radiation spread in this manner is likely



to be quickly dispersed into the air and reduced to relatively low concentrations.

A nuclear blast is an explosion with intense light and heat, a damaging pressure wave, and widespread radioactive material that can contaminate the air, water, and ground surfaces for miles.

## In the event of a nuclear blast

 Take cover immediately, below ground if possible, although any shield or shelter will offer some protection from the immediate effects of the blast and the pressure wave.

# During a radiation emergency

- Quickly assess the situation.
- Consider if you can get out of the area or if it would be better to go inside a building to limit the amount of radioactive material you are exposed to.
- If you are outside and there is an explosion or authorities warn of a radiation release nearby, cover your nose and mouth and quickly go inside a building that has not been damaged. If you are already inside, check to see if your building has been damaged. If your building is stable, stay where you are.
- Close windows and doors; turn off air conditioners, heaters, or other ventilation systems. Watch TV, listen to the radio, or check the Internet for official news as it becomes available.
- Limit the amount of radiation you are exposed to, using shielding, distance, and time.
  - Shielding: If you have a thick shield between yourself and the radioactive

- materials, more of the radiation will be absorbed, and you will be exposed to less.
- <u>Distance</u>: The farther away you are from the blast and the fallout, the lower your exposure.
- <u>Time</u>: Minimizing time spent exposed will also reduce your risk.

## After

- Remove clothes as soon as possible, placing them in a plastic bag and sealing it. Removing clothing will remove most of the contamination caused by external exposure to radioactive materials.
- Keep a battery-powered radio with you, and listen for official information. Follow any instructions that are given, bearing in mind that local instructions should take precedence officials on the ground will know the local situation best.

# CHEMICAL AGENTS

Chemical agents are poisonous vapors, aerosols, liquids, or solids that have toxic effects on people, animals, and plants.

# During

Listen to your radio for instructions from authorities such as whether to remain inside or evacuate.

If you are instructed to remain in your home:

- Turn off ventilation including furnaces, air conditioners, vents, and fans.
- Seek shelter in an internal room, preferably one without windows. If advised to do so, seal the room with duct tape and plastic sheeting.
- Remain in the protected area where toxic vapors are reduced or eliminated. (See page 6 for more information.)

If you are caught in an unprotected area, you should:

- Attempt to get up wind of the contaminated area.
- Attempt to find shelter as quickly as possible.

#### After

After a chemical attack, identify any symptoms of exposure, including blurred vision, eye irritation, difficulty breathing, and nausea. Use caution when helping those who have been exposed. After exposure:

- Remove all clothing and other items in contact with the body, putting them into a plastic bag if possible.
- Decontaminate hands with soap and water.
- Remove eyeglasses or contact lenses.
- Flush eyes with lots of water.
- Wash face and hair with soap and water, and then thoroughly rinse with water.
- Wash other contaminated body areas. Blot with a cloth soaked in soap and water and rinse with clear water.
- · Change into uncontaminated clothes.
- If possible, seek medical attention immediately.

# **WILDFIRES**

Wildfires are those fires that involve our forests and tree-lined mountain ranges and hillsides. The weather, type of fuels, and typography here in northern Nevada create a dangerous environment in which wildfire becomes a threat. These fires are fast moving, unpredictable and intense, destroying any structures in their paths.

#### Before

- Create a defensible space around your home and property.
- Remove all buildup of leaves and branches from your roof.
- Stack all fire wood and other combustibles at least 30 feet from your home.
- Identify at least two ways out of your neighborhood.
- Ensure house numbers and road signs are clearly visible.
- Ensure roads and driveways to your home can be accessed by emergency vehicles.
- Prepare a disaster supply kit with food and water for 3 days.

# **During**

- Advise family members and relatives of your evacuation plans.
- Monitor local newscasts for information and evacuation procedures.
- Place all combustibles around your home into the garage or in the house.
- Move all furniture away from the windows and close all drapes and blinds.
- Shut off all utilities at the meters or shutoff valves.
- Stock automobiles with emergency supplies and important documents should the evacuation order be given.
- Close off all vents, dampers, and openings to the attic and soffits.

- Leave all hoses and ladders accessible for rescue workers.
- Close all doors, leaving unlocked, and disconnect garage door from auto opener.

#### After

- Return only after approval from authorities.
- Inspect the exterior of your home for damages and any embers that may still be burning.
- Inspect the interior, including the attic and all hidden spaces.
- Have the gas company turn on all appliances after they have been inspected.
- Be aware of burned and damaged trees that may fall after the fire.

# **HAZARDOUS MATERIALS**

A hazardous material is a solid, liquid, or gas that may corrode other materials, easily explode, ignite, react with water, and is unstable when exposed to heat or shock, and toxic to humans, animals, and our environment.

# **Before**

- Secure all household cleaning products or other agents away from children and pets.
- Store all flammable and combustible products in a secure metal cabinet.
- Limit the amount of products stored in the home under sinks and in closets.
- Isolate all hazardous products from other products and foodstuffs.
- Eliminate any products that are no longer needed or that are leaking.

- Separate petroleum products from all household cleaning products and oxidizers.
- Always wear proper protection when using chemicals and read and follow all labels.

# During

- If spills occur, evacuate all family members and pets from the area.
- Never breathe vapors from clouds or fuming products; stay upwind and uphill from spills.
- Open windows and doors for spills in the home.
- Remain indoors when dangerous clouds or vapors are in the air outside.

#### After

- For small spills, follow directions on the bottle or container for clean-up procedures.
- For larger spills or those that are toxic and producing vapors, contact 9-1-1.
- Keep all hazardous materials from reaching storm drains or any waterways.

Advisory System

# HOMELAND SECURITY ADVISORY SYSTEM

In 2003, the White House established the Homeland Security Advisory System to inform federal, state, and local authorities, as well as the American public, of potential terrorist threats. It has five threat conditions, each representing an increased risk of terrorist attack.

Below are suggested protective measures designed for individuals and families.

## Green = Low Condition (low risk)

- Take a CPR/Automatic External Defribrillator (AED) and first aid course.
- Develop a household disaster plan and assemble a disaster supply kit.

# Blue = Guarded Condition (general risk)

- Establish an alternative meeting place away from home with family and/or friends.
- Review household disaster plan.
- Develop a family emergency communication plan.
- Update disaster supply kit.
- Be alert for suspicious behavior and report it to authorities.
- Hold household meetings to discuss what members would do in a terrorist attack, etc.

# Yellow = Elevated Condition (significant risk)

- Ensure a disaster supply kit is stocked and ready.
- Update family emergency communication plan.

# **Advisory System**

- If not known to you, contact school and/or daycare provider to determine their emergency notification and evacuation plans for children.
- Develop alternate routes to/from school/work and practice them.

# Orange = High Condition (high risk)

- Review disaster plan with all family members.
- Ensure communication plan is understood and practiced by all family members.
- Exercise caution when traveling.
- Avoid high-profile or symbolic locations.
- Have shelter-in-place materials on hand and understand procedure.
- Discuss children's fears about possible attacks.
- If a need is announced, donate blood at a designated blood collection center.

# **Red** = **Severe Condition** (severe risk)

- Listen to radio/TV for current information/instructions.
- Contact business/school to determine status of work/school day.
- Adhere to any travel restrictions announced by local government authorities.
- Be prepared to shelter-in-place or evacuate if instructed.

The current terrorist threat condition can be found on the homeland security website, as well as many local government websites.

# **Appendix**

# 7

## NATIONAL SITES

American Red Cross www.redcross.org

Centers for Disease Control and Prevention www.cdc.gov

Citizen Corps www.citizencorps.gov

Department of Energy www.energy.gov

Department of Health and Human Services www.hhs.gov

Department of Justice www.justice.gov

Disaster Help www.disasterhelp.gov

Environmental Protection Agency www.epa.gov

Federal Emergency Management Agency www.fema.gov

Food and Drug Administration www.fda.gov

Humane Society of the United States www.hsus.org/disaster

Institute for Business and Home Safety www.ibhs.org

National Weather Service www.nws.noaa.gov

U.S. Department of Agriculture www.usda.gov

U.S. Fire Administration www.usfa.fema.gov

# **Appendix**

# U.S. Geological Survey

www.usgs.gov

# U.S. Nuclear Regulatory Commission www.nrc.gov

# U.S. Department of Homeland Security www.ready.gov

## LOCAL AND STATE SITES

# **Carson City**

www.carson-city.nv.us 775-887-2100

# **Carson City Fire Department**

www.carsonfire.org 775-887-2210

## **American Red Cross**

www.nevada.redcross.org 775-856-1000

# Carson City Health and Human Services

www.carson-city.nv.us 775-887-2190

# **Nevada Roads Condition**

www.nvroads.com or call **5-1-1** 

# Living with Fire

(a guide for wildland fire planning) www.livingwithfire.com

# **Emergency Contact Numbers**

Write down important local numbers, including non-emergency numbers for police, fire, and local FBI field office. Include disaster relief services, such as shelters and food banks, and their phone numbers and address (See the <i>Appendix</i> for services offered by Carson City.)
Important Local Non-Emergency Phone Numbers
Fen.
FAMILY COMMUNICATIONS PLAN
Your family may not be together when disaster strikes, so plan how you will contact one another and review what you will do in different situations.
Out of state contact name
Telephone number
Email

# Fill out the following information for each family member and keep it up-to-date:

rm out the following information for each failing member and keep it up-to-date.		
Name		
Date of birth		
Social security number		
Medical insurance information		
Doctor name and number		
Name		
Date of birth		
Social security number		
Medical insurance information		
Doctor name and number		
Other medical information		
Name		
Date of birth		
Social security number		
Medical insurance information		
Doctor name and number		
Name		
Date of birth		
Social security number		
Medical insurance information		
Doctor name and number		

Name	Other place(s) you frequent
Date of birth	Phone number
Social security number	Evacuation location
Medical insurance information	
Doctor name and number	
	Phone number
Complete the following based on the places your family spends the most time.	Evacuation location
Home address	
Phone number	Other Important Information
Neighborhood meeting place	Pharmacy
	Homeowners/rental insurance
Work address	Vehicle insurance
Phone number	Veterinarian/kennel
Evacuation location	
Work address	
Phone number	
Evacuation location	
School address	
Phone number	
Evacuation location	
Daycare address	
Phone number	
Evacuation location	

# A COMMUNITY PREPAREDNESS PUBLICATION OF THE CARSON CITY FIRE DEPARTMENT

# 777 SOUTH STEWART STREET CARSON CITY, NEVADA 89701

(775) 887-2210

