

This Annex provides the Facility Contingency Planners (FCP) guidance for conducting a risk assessment of the facility. A thorough risk assessment is a necessary, vital step for contingency planning. Some components may not be applicable for every facility, but this Annex is intended to offer a broad perspective of considerations.

Basic Considerations for Assessing Potential Risks

- **It is impossible to list all potential hazards.** A risk assessment will identify which hazards are most likely to occur.
- **A critical and thorough risk assessment** is essential to adequately plan for the safety of personnel, animals and the facility.
- It is vital to include **public safety experts and partners** such as Police, Fire Departments, and local Emergency Management in the evaluation of hazards. This is extremely important for public venues.
- **Members of professional organizations** such as the Association of Contingency Planners and The Small Business Administration could be valuable to assist the FCP in contingency planning.
- **Risk assessment templates** are available that can be adapted to suit the individual needs of the facility (beginning page 7 find four samples). These templates can also be used to prompt discussion within the planning team.

How will a Risk Assessment Help to Develop Contingency Plans?

A Risk Assessment will:

- Identify hazards.**
- Determine the probability (likelihood) a particular incident will occur.**
- Determine the facility's vulnerability to a given hazard.**
- Thoroughly examine the consequence(s) to a facility if a given hazard occurs.**

Hazard + Vulnerability + Likelihood + Consequence = RISK

Plan for what is likely to happen!

The Process

1. Assemble a Team of Stakeholders, Experts and Partners

The Facility Contingency Planner (FCP) should assemble a team to assist with the risk assessment. Experts and professionals will be tremendous assets while evaluating probable hazards, vulnerability, the likelihood of an occurrence, and any potential consequences. Consider the following list of people or organizations that could be part of your planning team:

- **Management, staff** and other stakeholders can provide valuable first-hand information.
- **Local and State stakeholders** can provide professional expertise on the area and expectations and limitations.
 - Fire/police/EMS/Public Works/utilities
These groups will help identify local codes and regulations such as OSHA, environmental organizations, Fire codes, zoning regulations, all which may play a role when developing individual plans. Police and Fire officials are often happy to walk through a facility and assist with a risk assessment from their professional perspective.
 - Emergency medical personnel
 - State wildlife agencies
 - State agricultural departments
 - County Extension offices
 - Animal Control agencies
 - Local Emergency Management experts
 - SART programs (State Animal/Agricultural Response/Resource teams)
 - National Alliance of Animal and Agricultural State Emergency Programs
- **Key non-governmental stakeholders** who are well known to the managed wildlife community can provide valuable input related to animal issues and emergencies.
 - Association of Zoos and Aquariums
 - American Association of Zoo Veterinarians
 - American Association of Wildlife Veterinarians
 - Global Federation of Animal Sanctuaries
 - National Wildlife Rehabilitators Associations
 - Association of Reptilian and Amphibian Veterinarians
 - Zoological Association of America
 - Exotic Wildlife Association
 - American Association of Zoo Keepers
 - Association of Avian Veterinarians
 - Association of Exotic Mammal Veterinarians
 - National Animal Rescue and Shelter Coalition
- **Additional partners** provide an alternative informational source related to equipment or other resources (e.g., stock trailers) and expertise.
 - Veterinary practices, associations or veterinary schools
 - Livestock associations

- 4-H or Future Farmers of America programs, particularly in rural areas
- Equestrian organizations
- Local animal welfare organizations
- Dog sled racing organizations
- Pet service industry organizations (kennels, groomers, etc.)
- Chambers of Commerce
- Private sector entities with animal-related missions and resources, such as nearby zoos, sanctuaries, ranches, etc.
- American Red Cross
- Neighboring businesses

Determine a method for constructing the risk assessment. Some facilities use a narrative description, others use a scoring system that ‘add up’ potential risks. Another tool asks the planners to consider ‘low’, ‘medium’ or ‘high’ likelihood of occurrence, with critical planning focused on the ‘high’ likelihood.

The assessment’s format is not important. What is important is that the planning team develops a list of hazards that are likely to occur, then discusses how these hazards might impact the facility.

Following are lists of potential hazards for consideration; however, reflect also on any additional hazards unique to the location or structure.

2. Identify Hazards

- What are **known hazards**? Consider hazards that have occurred historically. Research floodplain maps, earth quake zones, etc. Consider the following:
 - Flood
 - Tsunami
 - Drought
 - Wildfire
 - Structural fire¹
 - Earthquake
 - Landslide
 - Volcano
- What are **typical weather hazards** in the area? What are the extremes?
 - Snow/blizzards
 - Rain/hail
 - Heat waves
 - Extreme cold snaps
 - Ice storms
 - High winds
 - Dust/sand storms
 - Tornados/micro bursts
 - Hurricanes/tropical storms
 - Other
- What **‘human caused’ hazards** could affect the facility? Besides what could happen on facility grounds, consider nearby businesses and the potential hazards they pose.

¹ Fire is the most common of all business disasters. www.ready.gov/business/plan/planfiresafety.html

- Chemical plant (spills, water contamination, explosion, fire)
 - Nuclear plant (contamination issues, explosion)
 - Oil rig/pipeline issues (spills from pipelines or contamination of supply for aquaria)
 - Proximity to a railway or interstate where hazardous chemicals may pass by
 - Functional threats (strikes or labor dispute in the public sector)
 - Criminal activity and terrorism
- What **hazards are associated with on-grounds storage of various materials?**
- Fuels, diesel, propane, motor oils, etc.
 - Paints, solvents, cleaners
 - Pharmaceuticals, medications, anesthetics
 - Laboratory reagents (acids, bases, etc.)
 - Ammunition
 - Fertilizers (nitrates)
 - Agricultural chemicals/pesticides
 - Chemical filtration products (chlorine, etc.)
 - Disinfecting agents (bleaches, etc.)
- What **animal-specific hazards** are associated with different species at the facility?
- Venomous species (any risk due to vertebrate or invertebrate with toxin-producing species should be noted)
 - Large dangerous carnivores or hazards associated with the handling of large animals in general
 - Non-human primates
 - Zoonotic diseases
 - Animal escapes

3. Determine the Likelihood a Hazard Will Occur

A facility's list of probable hazards **SHOULD** be lengthy. Evaluate each hazard and determine the likelihood that a particular incident WILL happen. ***The hazards 'most likely' to occur should be addressed in the contingency plans.***

- Discussing the hazards with the stakeholders will help in determining the likelihood of occurrence. For example:
- Police officers can conduct an assessment of the facility to determine the likelihood of various criminal activities.
 - Fire departments conduct assessments to look at the likelihood of fire.
 - Utility companies can provide locations of gas pipelines, and other equipment to determine the likelihood of ruptures, and other types of hazards.
 - Weather histories can be studied for likelihood of tornado, hurricane, and other related weather hazards.
 - Chamber of Commerce or similar organizations can provide information on neighboring businesses. This information would be valuable to determine the likelihood of a community emergency for various chemical spills, or other human-caused hazards.
- Concentrating on the likely incidents first can help with prioritizing. In many cases, the response actions are similar for the many threats. See examples below on page 5 and 6.

4. Determine the Facility's Vulnerability to a Given Hazard

- Vulnerability describes *how* susceptible the facility is to a given hazard. For example, two facilities in a similar area determine that high winds are a hazard, and have a high likelihood of occurring. The facility with several glass conservatory-type exhibits is more vulnerable than a facility whose buildings are made of concrete block.

5. Thoroughly Examine the Consequence(s) to a Facility if a Given Hazard Occurs

- If a particular hazard actually occurs, what potential consequences might affect the facility? For example, a hurricane could cause the following consequences: loss of animal life, flooding, hazardous materials spills, communication outages, short-term closure for cleanup, loss of revenue, closed access roads to and from the facility, key vendors unable to reach facility.
- It may seem 'silly' to thoroughly discuss consequences of a given hazard; these often seem intuitive. However, it will be impossible to draft robust plans engaging all stakeholders if the planning team doesn't understand all potential consequences.

After the appropriate planning team has discussed (1) potential hazards, (2) the likelihood of an occurrence, (3) the facility's vulnerability and (4) the potential consequences from a hazard, the team is ready to prioritize those hazards which should be addressed first. *Planning teams will discover during their discussions that many of the responses are the same, regardless of the type of hazard.*

Examples of Risk Assessment

The following are examples of the risk assessment process. While these examples are simplistic, they show how responses to incidents can be broken down into discrete tasks and when organized together, provide a framework to respond to an incident.

Example 1

The planning team for John Doe Zoo has identified ice storms as a potential hazard to the zoo. Research and experience inform the planning team that a storm occurs every 3-4 years and overhead power lines have snapped. Therefore, the facility is *quite vulnerable* to an ice storm due to the overhead power lines that run to each building. The likelihood that an ice storm will occur again is high. The *consequence* of an ice storm could include loss of electrical power, road closures and the inability for key personnel to get to the zoo to care for the animals.

The planning team determines that contingency plans should address: 1) a communication system that will keep employees informed and updated on conditions as needed, 2) loss of power, 3) road closures and 4) sheltering personnel on grounds to care for the animals' needs short-term (creation of a Response Team).

Example 2

The planning team for John Doe Zoo also has identified tornadoes as a potential hazard. The facility has several buildings of concrete and steel construction. The zoo itself has never experienced a tornado and they are not at all common, but have occurred in the area. The planning team determines that the facility is *somewhat vulnerable* to the effects of a tornado. They also determine that there is *low likelihood* of a tornado affecting the facility. The *consequence* of a tornado could include loss of power due to the overhead power lines, and the inability for adequate personnel to get to the zoo to care for the animals.

The planning team determines that contingency plans should address: 1) a communication system that will keep employees informed and updated on conditions as needed 2) loss of power, 3) road closures and 4) sheltering enough staff on grounds (creation of a Response Team) to care for the animals' needs short term.

Example 3

The planning team for John Doe Zoo has identified that robbery of the facility's Gift Shop is a potential hazard. Planning team members from the local police department and the facility's management explain that in the last 20 years, the gift store has been robbed twice, and one incident involved a fire arm. The planning team determines that the facility is *vulnerable* to a robbery, and while the *likelihood* of a robbery is low (2 incidents in 20 years) *consequence* of a robbery is potentially quite high in terms of danger to employees and guests.

The planning team determines that contingency plans should prepare the facility for 1) a communication system that will keep employees informed and updated on conditions as needed and 2) a strong communication plan with the local police department.

These simple examples reiterate an important point: Contingency plans can and should be written to address multiple scenarios. John Doe Zoo will write plans that address emergency communication and how to respond to power losses of short-term duration. These same plans could be used also for ice storms, tornados, or other emergencies. Additionally, a Response Team will be created to address the need for a crew to remain on grounds and manage the emergency, regardless of the cause.

**Following are sample templates or guidelines that may help
with the Risk Assessment process.**

Risk Assessment Template 1 provided by Mark Lloyd, DVM Institutional Disaster Preparation and Response, Wildlife Conservation, Management and Medicine, Humane Society of the United States.

Risk Assessment Template
DISASTER PLANNING

CAPTIVE WILDLIFE AND REHABILITATION FACILITIES

Assess Risks > Generate Needs List > Create Plan > Train to the Plan > Implement Plan

Institutional Risk Evaluation: The First Step

Mark Lloyd, DVM, Medical Director, Emergency Services

PLEASE DEFINE RISKS AS PRECISELY AS POSSIBLE

| | |
|--------------------------------|--------------------|
| <u>Facility Identification</u> | <u>Date</u> |
| <u>Completed by</u> | <u>Reviewed by</u> |

Institutional Risk Evaluation

- What are the Specific Risks for each Specific Institution must address?
- What Risks are Most Likely based on Geographic Location?
- What Animal Health and Species Specific Risks exist?
- What Species Specific Liabilities exist?
- What Liabilities exist for Sheltering in Place?
- What Structural Risks/Liabilities exist at the facility?
- What Humans Health Risks and Liabilities Exist?

Geographic Risks

| Fire | Regional Fire Risk Low 1-2-3-4-5 High | Facility Fire Risk | Other | |
|-----------------------------|--|--|-------|--|
| | | | | |
| Tectonics / Tsunami | Proximity to Known Fault Lines (miles) | Recent Quakes Date and Richter Rating | | |
| | | | | |
| Coastal Proximity | Distance to Coast (miles) | Height Above Sea Level (feet) | | |
| | | | | |
| Meteorological - Weather | Flood Zone (specify: coastal, river, below damn, levee, etc.) | Height Above /Below Water Table (inland) | | |
| | | | | |
| Heat/Cold | Winter Storm Risk Low 1-2- 3-4- 5 High | Record Min and Winter Temp Range | | |
| | | | | |
| | Summer Heat/Drought Risk | Record High and Summer Temp Range | | |
| | | | | |

| | | | | |
|--|--------------------------------------|---|-------|--|
| Chemical Exposure Potential Risks | Chem. Transport Proximity - Distance | Chemical Types (chlorine, nitrogen fertilizer, fuels) | | |
| Train/Rail | Distance to Railway | Known Chemical Transport | | |
| Interstate | Distance to Interstate | Known Chemical Transport | | |
| Harbor/Port | | | | |
| Petroleum Specific Risks | Closest Petroleum Facilities | Specify: pipeline, refinery, well, storage, port, etc | | |
| On site Chemicals Haz-Mats | Fuels | Fertilizers | Other | |
| | | | | |
| | Pesticides | Herbicides | | |
| | | | | |

Animal Health Risks

| | | | | |
|-------------------------------|--|--|-----------------------------------|--|
| Species Specific Risks | Avian Victim or Vector species (A.I., New Castles, etc) poultry species, ducks/geese | Hoof Stock Victims or Vectors (FMD, blackleg, etc) | Carnivores (canids, felids, bear) | |
| | | | | |
| | | | | |
| | Temperature Sensitive Breeds/Species | Species Difficult to Quarantine | | |
| | | | | |
| | | | | |
| Water Storage | Water Requirements (gal/day) | Water Storage Capacity | | |
| Avian | | | | |

| | | | | |
|----------------------|--|--|--|--|
| Hoof Stock | | | | |
| Carnivores | | | | |
| Other Species | | | | |

Animal Nutrition Risks

| Food Storage Requirements | Food Types required per day (dry, hay, milled feed) | Food Storage Requirements (dry storage, refrigeration, Frozen, etc) | Storage Capacity (days of full rations) | |
|--|--|--|--|--|
| Milled Feed | | | | |
| Forage | | | | |
| Carnivore Diet | | | | |
| Fresh | | | | |
| Specialized (prey items, milk replacer) | | | | |
| | | | | |
| Food Re-supply Chain | Current Transportation (direct wholesale - staff transport, commercial refrigerator truck, etc) | Alternate Transportation available | Special transport equip required (refrigerated, wet silage) | |
| Milled Feed | | | | |
| Forage | | | | |
| Carnivore Diet | | | | |
| Fresh | | | | |

Facility Structural Risks

| Life Support Systems | Water Source and Systems | Air Flow HVAC | Sewage Treatment/Handling | |
|--|---------------------------------|----------------------|----------------------------------|--|
| Fuel required (electrical, natural gas, fuel oil, etc.) | | | | |

| | | | |
|---|---|--|---|
| Buildings/Enclosures | Animal Enclosure Integrity | Staff Structures | Storage Facilities |
| Communication | Hard Lines (phone, cable) | Satellite Phone | Cellular Phone (recharge capabilities) |
| Broadcast Information Access / Public Emergency Information Source | Television Connections (antennae+adapter, cable, satellite) | Radio Types (A.M., F.M. Weather Alert Radio) | Internal Communications/ Staff Radios (recharge requirements) |
| Backup Animal Records | Hard Copies in Waterproof Container | Digital Backup Offsite | |

Animal Management Equipment

| | | | |
|---|-----------|----------------|-------------------------------------|
| Fuel Storage Supplies | Diesel | Gasoline | Propane |
| Electrical Generator | Fuel Type | Kw/Hr Output | |
| Fuel Requirements | Truck #1 | Truck #2 | Personal Vehicle |
| Vehicular miles/gallon | | | |
| Minimum Vehicular miles/day required | | | |
| Total Gal per Day | | | |
| Vehicular miles/gallon | Tractor | Other vehicles | Electrical Generator Gallons / Hour |
| Minimum Vehicular miles/day required | | | |
| Total Gal per Day | | | |
| Ballistic / Lethal Weapons | Rifles | Shotguns | Handguns |

Risk Assessment Annex

| | | | | |
|--|-------------------------------|--|---|--|
| Available Veterinary Care | Closest Veterinarian | Veterinary Contact Info Posted Locations | | |
| Transport Container Requirements | Species Specific Requirements | Animal Inventory total | Total Crate/Transport Cages required for evacuation | |
| Avian | | | | |
| Hoof Stock | | | | |
| Carnivores | | | | |
| Rabies Vectors | | | | |
| Other | | | | |
| Animal Transport Vehicles Available On site | Enclosed | Open Trucks | Trailers | |
| Vehicles Required to Remove All Animals | Enclosed | Open truck | Trailers | |
| Animal Transport | Existing Contractor | Transporter Name | Other Outside Resources (other farms/suppliers) | |
| Avian | | | | |
| Hoof Stock | | | | |
| Carnivores | | | | |
| Rabies Vectors | | | | |
| Other Species | | | | |
| Restraint Equipment Required | Nooses, Gloves | Snow/Temp/Construction Fence (ft) | Squeeze Chutes | |
| | | | | |
| | Rigid Panels | Livestock Chutes | Avian Transport Crates | |
| Restraint Equipment Available | Halters | Temp Fencing | Other | |
| | | | | |
| | Rigid Panels | Push Boards | Squeeze Chutes | |

Human Health: Staff and Public Safety

Potential Liabilities

| | | | | |
|--|--|------------------------------|-------------------------|--|
| Species Specific Risk / Liability to Human or Animal Health | Dangerous Animals (Lg. Carnivores, venomous) | Large Predatory Birds | Rabies Vectors | |
| | | | | |
| Escape | Number of Routes | Offsite Rally Location | | |
| | | | | |
| Staff Support | Backup Payroll/Finance in Disaster | Family Shelter | Other | |
| | | | | |
| | Staff Records Off Site | | | |
| | | | | |
| Human Life or Health Risk | Closest EMS | Closest Hospital | Other Emergency Centers | |
| | | | | |
| Environmental Risks | Thermal Risk Hyper/ Hypothermia | Dangerous Local Wild Species | Other Human Hazards | |
| | | | | |
| | | | | |
| Humans Sewage Facilities | Municipal | Onsite | Portable | |
| | | | | |
| Hazardous Materials On site | Animal Feces Storage | Pesticides | Herbicides | |
| | | | | |
| | | | | |
| | | | | |

Shelter in Place

| | | | | |
|--------------------------------------|---|---|--|--|
| Staff Requirements | Minimum Daily Staff Required | Housing Required | Meals Required for 7 days | |
| Husbandry Staff Required | | | | |
| Logistics/Ops Staff Required | Animal Transport Drivers | Feed Transport | Staff Transport | |
| Personnel Water | Water Required @ 5 gal / person / day for 7 days (gal) | Potable Water Storage Capacity (gal) | Water Sterilization Methods Available (chlorine, iodine, micro-filtration, other) | |
| Water Contamination Potential | Onsite Potable Well/Spring | Municipal Water | Sewage Treatment Onsite or Municipal | |
| Energy Requirements | Electrical Grid above or below Ground | Most Critical Electric Systems (well pump, heat, cool) | Other | |
| Electrical Usage | Total Facility Use / Day (Kw per Month on Bill divided by 30 days) | Animal Areas Kw/day | Staff Areas Kw/Day | |

**DISASTER PLANNING
Institutional Risk Evaluation Continued**

- PLEASE PROVIDE ANY AND ALL ADDITIONAL UNIDENTIFIED RISKS
- PLEASE EXTEND PREVIOUS ANSWERS WHICH PROVIDED INSUFFICIENT SPACE ABOVE
- PLEASE DESCRIBE WELL TO INSURE COMPLETE EVALUATION FOR MITIGATION DESIGN
- USE AS MANY ADDITIONAL PAGES OR SUPPORTING INFORMATION AS APPROPRIATE

| Risk Category | General Liability or Risk Description | Specific Risk Description | Other related Information | |
|----------------------|--|----------------------------------|----------------------------------|--|
| | | | | |
| | | | | |

Risk Assessment Template 2

Red Cross Hazard Assessment Guide

Red Cross works hand-in-hand with Members (free) to guide them through the steps of preparedness. Members also can conduct free assessment on-line.

This exercise can help you record information about your facility's capacities and vulnerability to a variety of emergencies and hazards.

1. Make a list

Identify all possible emergencies that may impact your business. To make sure your list is comprehensive, meet with government agencies, community organizations and utility companies. These groups can help identify potential emergencies and hazards. Emergencies can range from power outages, weather events, to hazardous spills.

2. Estimate probability

Rate the likelihood of each emergency's occurrence. Use a 1 to 5 scale with 1 as the lowest probability and 5 as the highest. These can include proximity to dams, large facilities, flood plains, and nuclear power plants for example. This is a subjective consideration, but it is useful for prioritizing and planning.

3. Assess the human impact

Analyze the potential human impact of each emergency on your list—the possibility of death or injury. Use a 1 to 5 scale with 1 as the lowest and 5 as the highest.

4. Assess the impact on your facility's property

Using the same 1 to 5 scale, evaluate the potential impact on your facility's property (physical construction, storing combustibles, and building locations, for example) for each emergency on your list. Consider:

- * Cost and time needed to replace
- * Cost and time needed to set up temporary replacement
- * Cost and time needed to repair

5. Assess the impact on your business operations

Using the same 1 to 5 scale, evaluate the potential impact of each emergency on your day-to-day business operations. Some scenarios to consider:

- * Employees are unable to report to work

- * Customers are unable to reach facility
- * Critical supplies cannot be delivered
- * Product distribution is interrupted

6. Assess internal and external resources

Using the same 1 to 5 scale, evaluate the potential impact of each emergency on your internal and external resources. Ask yourself:

- * Do we have the needed resources, equipment and capabilities to respond?
- * Will external resources be able to respond to us for this emergency as quickly as we may need them, or will they have other priority areas to serve?
- * Do we have training and drills; is training included in new hires orientation?

Risk Assessment Template 3

Michigan State University [Unit] Vulnerability Analysis Chart

A Vulnerability Chart can be completed for a physical location or for each critical system/function. The totals will indicate high areas of vulnerability. The form may be modified to rank vulnerability as high, medium, and low, instead of a numerical ranking system. Using a numerical rating, your most vulnerable areas will be those with the highest total.

| Type of Disaster | Human Impact | Property Impact | Business Impact | Internal Resources | External Resources | Total |
|--|------------------------------|-----------------|-----------------|--------------------|--------------------|-------|
| | 5 High Impact - 1 Low Impact | | | 5 Weak - 1 Strong | | |
| Loss of AC Power | | | | | | |
| Loss of Environmental Controls | | | | | | |
| Flood | | | | | | |
| Tornado | | | | | | |
| Fire | | | | | | |
| Electrical Storm | | | | | | |
| Breaches of Security | | | | | | |
| Interruptions of Internal Communications | | | | | | |
| Interruptions of External Communications | | | | | | |
| System Hang-up or Shutdown | | | | | | |
| Degradation of Performance | | | | | | |
| Irrational Data Presented to Users | | | | | | |
| Files Corrupted or "Lost" | | | | | | |
| AC Power Spikes | | | | | | |
| | | | | | | |
| | | | | | | |

Risk Assessment Template 4

FEMA²

Learn about the hazards that may strike your community, the risks you face from these hazards, and your community's plans for warning and evacuation. You can obtain this information from your local emergency management office or your local chapter of the American Red Cross. Space has been provided here to record your answers.

Hazards

Ask local authorities about each possible hazard or emergency and use the worksheet that follows to record your findings and suggestions for reducing your family's risk.

| Possible Hazards and Emergencies | Risk Level (None, Low, Moderate, or High) | How can I reduce my risk? |
|-----------------------------------|---|---------------------------|
| Natural Hazards | | |
| 1. Floods | | |
| 2. Hurricanes | | |
| 3. Thunderstorms and Lightning | | |
| 4. Tornadoes | | |
| 5. Winter Storms and Extreme Cold | | |
| 6. Extreme Heat | | |
| 7. Earthquakes | | |
| 8. Volcanoes | | |
| 9. Landslides and Debris Flow | | |
| 10. Tsunamis | | |

² http://www.fema.gov/areyouready/getting_informed.shtm

| | | |
|---|--|--|
| 11. Fires | | |
| 12. Wildfires | | |
| Technological Hazards | | |
| 1. Hazardous Materials Incidents | | |
| 2. Nuclear Power Plants | | |
| Terrorism | | |
| 1. Explosions | | |
| 2. Biological Threats | | |
| 3. Chemical Threats | | |
| 4. Nuclear Blasts | | |
| 5. Radiological Dispersion Device (RDD) | | |

You also can consult FEMA for hazard maps for your area. Go to www.fema.gov, select maps, and follow the directions. National hazard maps have been included with each natural hazard in Part 2 of this guide.

