

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

Facility Identification \_\_\_\_\_ Date \_\_\_\_\_  
 Completed by \_\_\_\_\_ Reviewed by \_\_\_\_\_

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

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

### Animal Health Risks

|                               |  |  |                                   |  |
|-------------------------------|--|--|-----------------------------------|--|
| <b>Species Specific Risks</b> | 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                    |                                   |  |
|                               |  |  |                                   |  |
|                               |  |  |                                   |  |
| <b>Water Storage</b>          | Water Requirements (gal/day)   | Water Storage Capacity                             |                                   |  |
| <b>Avian</b>                  |  |  |                                   |  |

|                      |  |  |  |  |
|----------------------|--|--|--|--|
| <b>Hoof Stock</b>    |  |  |  |  |
| <b>Carnivores</b>    |  |  |  |  |
| <b>Other Species</b> |  |  |  |  |

### Animal Nutrition Risks

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

### Facility Structural Risks

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

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

### Animal Management Equipment

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

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

## Human Health: Staff and Public Safety

### Potential Liabilities

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

## Shelter in Place

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

| <b>Risk Category</b> | <b>General Liability or Risk Description</b> | <b>Specific Risk Description</b> | <b>Other related Information</b> |  |
|----------------------|--|----------------------------------|----------------------------------|--|
|                      |  |                                  |                                  |  |
|                      |  |                                  |                                  |  |