Temporary Sheltering
Livestock

Situations
- Natural Disasters
  - Displacement
  - Evacuation
- Animal Health Emergency
  - In-transit

Assessment and Planning
- Locations
- Animals
  - Infected or non-infected animals
  - Food and water requirements
  - Species/housing requirements
- Waste management
- Personnel
  - Security
- Length of time

FACILITIES
- Containment
- Setup
- Waste Management
- Special Needs

Shelter Requirements
- Containment
  - Fencing, pens, stalls
  - Check for sharp objects
  - Spacing
- Shelter from elements
  - Wind breaks
  - Shade, fans
  - Warmth
- Ventilation
- Temperature

Bedding
Waste disposal
Isolation area for sick animals
Special needs
- Dairy cattle
- Young animals
Possible Shelter Sites

- Publicly owned lands
- Fairgrounds
- Abandoned or empty feedlots
- Fenced pastures
  - Climate permitting
- Other buildings
  - Airplane hangers
  - Livestock auction markets
  - Build shelter on a site

Supplies

- General Supplies
  - Halters, lead ropes
- Cleaning supplies
  - Shovels, rakes, wheelbarrows
  - Buckets hoses
- Office Supplies
  - Paper, pens, computer
  - Intake, release, identification forms
  - Documentation of labor and supplies

Transportation

- All-weather surface road
  - Two lane
  - One way traffic flow
- Unload animals at distance from the shelter
- Vehicles left at shelter should be cleaned and disinfected

Housing the Animals

- Animals should be segregated by:
  - Sex
  - By herd or flock
  - By species
  - Mothers and young
  - Pregnant animals
  - Isolate sick animals
  - Appropriate density

Waste Management

- Prompt removal of waste
- Daily cleaning of stalls
- Equipment should be cleaned and disinfected after use
- Separate equipment should be used for isolation animals

HEALTH

- Food and Water
- Illness and Injury
- Handling
**Veterinary Care**
- Incoming and outgoing animals need to be thoroughly examined
- Isolate incoming animals
- Daily inspections
- Isolate sick animals
- Animal disease recognition information should be posted

**Handling**
- Animal behavior
  - Stress, panic
  - New surroundings
  - Unpredictable
- Proper handling minimizes stress
- Responders with experience
  - Need to know species

**SPECIES SPECIFIC**

**Cattle**
- Food and water
  - Open pasture
  - Grass or baled hay
    - 20-25 lb/day
  - Water
    - 12-15 gallons/day
- Young animals
  - Additional nutritional requirements
- Water consumption will increase in hot weather conditions

**Small Ruminants**
- Food and water
  - Sheltered pasture
    - Windbreaks, shade
  - Food 3-5 pounds hay/day
  - Water ½-1 gallon/day
- Difficult to confine
- Pregnant animals
  - Enhanced shelter
- Dairy breeds will require milking

**Swine**
- Food and water
  - Food
    - 0.5#/100#
  - Water
    - ½-1 gallon/head/day
- Hard surfaces
  - 2.5 sq feet/100# sleeping
  - 5 sq feet/100# general living space
- Heat stress is significant concern
Resources

- AVMA Disaster Preparedness and Response Guidebook
- Temporary Housing and Care for Livestock and Poultry – Monograph No. 003, Nebraska Department of Agriculture
  - [http://www.agr.state.ne.us/homeland/monograph_003.pdf](http://www.agr.state.ne.us/homeland/monograph_003.pdf)

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