



Temporary Housing

Poultry



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Situations

- Natural Disasters
 - Displacement
 - Rescue
- Animal Health Emergency
 - Quarantine
 - In-transit



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Assessment and Planning

- Location and facilities
- Animal requirements
 - Food, water, bedding
- Supplies
 - Cleaning
 - Administrative
- Waste management
- Security
- Personnel



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FACILITIES

- Location
- Facility Setup
- Facility Access
- Biosecurity

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Location

- Size and number of locations
 - Quantity of animals
 - Infected or non-infected
 - Level of biosecurity
- Possible locations
 - Fairgrounds
 - Abandoned barns
 - Empty confinement buildings with adequate ventilation

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Facility Setup

- Containment
 - Safety
 - Protect from elements
 - Elements
 - Predators
 - Ease of feeding, watering, waste removal, monitoring
- Isolation
- Adequate space
- Ventilation
- Check for sharp objects



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Facility Access

- All-weather surface road
 - Two lane
 - One way traffic flow
- Unload animals at distance from the shelter
- All vehicles and personnel sign in and out

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Biosecurity

- Disease can spread quickly
- Disinfect all vehicles
- Disinfect equipment and footwear
- Vector control
 - Arthropods, rodents, wild birds



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ANIMAL REQUIREMENTS


- Food and Water
- Bedding
- Temperature
- Waste Management
- Veterinary Care
- Isolation Areas

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Animal Care

- Food
 - Commercial feed
 - Cracked corn
- Water
 - Supplemental vitamins

	Feed/day/ 100 birds	Water/day /100 birds
Layers	17 lbs	5 gallons
Broilers	10 lbs	5 gallons
Turkeys	40 lbs	12 gallons



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Environment

- Bedding
 - Softwood shavings
 - Sawdust
 - Rice hulls
 - Pulverized paper
- Temperature

Age (weeks)	Temp °F(°C)
1	90 °F (32 °F)
2	85 °F (29 °F)
3	80 °F (27 °F)
4	75 °F (24 °F)
5+	70 °F (21 °F)

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Waste Management

- Prompt removal
 - Keep environment clean
 - Prevent disease spread
- Procedures for
 - Waste removal and disposal
 - Cleaning and disinfection
- Clean pens daily
 - Disinfect equipment after use
- Equipment and supplies
 - Shovels, buckets, hoses, scrub brushes, trash cans
 - Detergent, disinfectant, disposable gloves
- Separate equipment for isolation

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Arrival of Birds

- Transport in wire or plastic cages
- Unload manually or mechanically
- Gentle handling will minimize stress
- Open coops in housing area to release the birds
- Keep flocks separate

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Housing the Animals

- Segregate by
 - Flock
 - Species
 - Appropriate density
 - Owner
- Animal identification
 - Leg band
- Keep records

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Monitoring


- Veterinary examination on entry and exit of shelter
- Monitor daily for
 - Illness
 - Injury
 - Stress
 - Overheating
- Isolate sick animals
 - Treatment or euthanasia
- Post disease recognition information



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Leaving the Shelter


- Veterinary examination
- Dim lighting
- Transfer to appropriate cages
- Do not overcrowd
- Reduce densities in hot weather
- Provide protection in cold or wet conditions



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Isolation Areas

- Infected or exposed animals should be housed in separate areas
- Proper carcass disposal of euthanized or dead animals



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Personnel

- Poultry handling experience
- Training and coordination
 - Incident Command System critical
 - Animal handling
 - Personal protection and appropriate PPE
 - Infection control procedures
- Guidelines for injury or medical emergencies

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Safety


- Avoid injuries from poultry
 - Beaks
 - Claws
 - Spurs (roosters)
 - Quick movements
- Masks
 - Dust and dander
- Any injuries must be reported

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Site Security

- Limit unauthorized access
 - Protect animals
 - Prevent pillage of supplies
- Methods
 - Shelter well lit
 - Control entry and exit
 - Record of all persons/vehicles entering and exiting
 - Locked doors at night
 - Personnel present at all hours



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Resources

- 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
- Cleaning and Disinfection Procedures for Poultry Facilities
 - <http://www.poultry.uga.edu/agrosecurity/section4/cleaning.htm>

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