### **DRAINAGE**

Facilities must have a method to eliminate excess water/fluids. [3.1(f), 3.52(e), 3.75(c), 3.101(c), 3.126(d), 3.127(c)]

#### Criteria

# Methods of drainage must:

- rapidly eliminate excess water/fluids
- keep the animal dry
- minimize:
  - > pest infestation
  - > vermin infestation
  - harmful odors
  - disease hazards

### Methods of eliminating excess water/fluid

Open drainage systems

Open drainage systems include, but are not limited to:

- lagoons
- sumps
- settlement ponds
- natural or artificial land contours

#### Open drainage systems must:

- be away from animal areas
- have drains which are properly:
  - constructed
  - installed
  - > maintained

### Closed drainage systems

Closed drainage systems must:

- have traps
- prevent back flow of gases
- prevent back up of sewage
- have drains which are properly:
  - > constructed
  - installed
  - maintained

Manual removal systems

Manual removal systems include, but are not limited to:

- squeegee
- vacuum

### **Species Specific**

# **Guinea Pigs & Hamsters**

Drainage is not specifically addressed in the standards.

If there is a drainage problem, cite under the appropriate standard relating to moisture, such as:

- Section 3.26(b)-Ventilation
- Section 3.31(a)(2)-Cleaning and Sanitation
- Section 3.31(a)(4)-Housekeeping

#### **Marine Mammals**

Drainage must be provided for primary enclosures and areas immediately surrounding pools. [3.101(c)(2)]

Drainage systems must effectively remove all water from primary enclosure pools. [3.101(c)(1)]

Drains must be placed so as to rapidly eliminate excess water (except in pools where it could harm the animals). [3.101(c)(2)]

Drain covers and strainers must be securely fastened to prevent animal entrapment. [3.101(c)(2)]

Drainage effluent must be disposed of in a manner that meets all applicable Federal, State and local pollution control laws. [3.101(c)(1) & (2)]

Natural water areas, such as tidal basins, bays, and estuaries, are exempt from drainage requirements. [3.101(a)(4)]

#### **Other Animals**

Methods of drainage must meet applicable Federal, State and local laws. [3.126(d)]

10.2.2 ANIMAL CARE A wallow hole, if present, must:

- be appropriate to the species/number of animals
- not impede access to the food/water/shelter
- not be located so as to force animals to go through it
- be maintained to reduce and/or prevent odors/pest/disease hazards
- not encompass entire enclosure
- be appropriate for the season

ANIMAL CARE 10.2.3