Aquatic Animal Housing and Support Areas

Date: 
Location: 
Inspection Team: 

<table>
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<tr>
<th></th>
<th>A*</th>
<th>M</th>
<th>S</th>
<th>C</th>
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- **Location:**
  - animal areas separate from personnel areas (*Guide, p 134*)
  - separation of species (*Guide, p 111*)
  - separation by disease status (*Guide, p 111*)
  - security and access control (*Guide, p 151*)

- **Construction:**
  - corridors (*Guide, p 136*)
  - animal room doors (*Guide, pp 137, 150*)
  - exterior windows (*Guide, p 137*)
  - floors (*Guide, pp 137, 150*)
  - drainage (*Guide, pp 138, 150*)
  - walls and ceilings (*Guide, pp 138, 150*)
  - heating ventilation and air conditioning (*Guide, pp 139, 150-151*)
  - power and lighting (*Guide, pp 141, 150*)
  - noise control (*Guide, p 142*)
  - vibration control (*Guide, p 142*)
  - environmental monitoring (*Guide, p 143*)

- **Water Quality:**
  - standards for acceptable quality are established (*Guide, p 78*)
  - chlorine, chloramines, chemical, and reactive bioproducts are removed or neutralized prior to use in aquatic systems (*Guide, pp 78, 86*) [must]

- **Life Support System:**
  - water source is based on appropriate controls and research requirements (*Guide, p 79*)
  - biofilter is of sufficient size to process bioload (*Guide, p 80*) [must]

- **Temperature, Humidity and Ventilation/Illumination/Noise and Vibration:**
  - temperature and humidity (*Guide, pp 43, 80-81*)
  - ventilation and air quality (*Guide, pp 45, 81*)
  - illumination (*Guide, pp 47, 81*)
  - noise and vibration (*Guide, pp 49, 81*)

- **Primary Enclosure:**
  - allows for normal physiological and behavioral needs (*Guide, p 82*)
  - allows social interaction for social species (*Guide, p 82*)
  - provides a balanced, stable environment (*Guide, p 82*)
  - provides appropriate water quality and monitoring (*Guide, p 82*)
  - allows access to food and waste removal (*Guide, p 82*)
  - restricts escape and entrapment (*Guide, p 82*)
  - allows undisturbed observation (*Guide, p 82*)
  - constructed of nontoxic materials (*Guide, p 82*)
  - prevents electrical hazards (*Guide, p 82*)
  - space needs of species are evaluated by IACUC during program evaluations and facility inspections (*Guide, p 83*)

- **Environmental Enrichment, Social Housing, Behavioral and Social Management:**
  - enrichment elicits appropriate behaviors and is safe (*Guide, p 83*)
  - semi-aquatic reptiles are provided terrestrial areas (*Guide, p 83*)
  - handling is kept to a minimum and appropriate techniques are in place at facility or

Notes:
- **Food:**
  - storage to prevent contamination, preserve nutrients and prevent pests *(Guide, p 84)*
  - delivery ensures access to all animals, minimizing aggression and nutrient loss *(Guide, p 84)*
  - storage times are based on manufacturer recommendations or accepted practice *(Guide, p 84)*
  - a nutritionally complete diet is provided *(Guide, p 84)*

- **Substrate:**
  - amount, type and presentation of substrate is appropriate for the system and the species *(Guide, p 85)*

- **Sanitation, Cleaning and Disinfection**
  - frequency of tank/cage cleaning and disinfection is determined by water quality, permits adequate viewing and health monitoring *(Guide, p 86)*
  - cleaning and disinfection of macroenvironment *(Guide, p 86)*

- **Waste Disposal:**
  - procedures for collection *(Guide, pp 73-74)*
  - hazardous wastes are rendered safe before removal from facility *(Guide, pp 73-74)*
  - animal carcasses *(Guide, pp 73-74)*

- **Pest Control:**
  - regularly scheduled *(Guide, p 74)*
  - documented program including control of pests and insecticide use *(Guide, p 74)*

- **Emergency, Weekend, and Holiday Animal Care:**
  - care provided by qualified personnel every day *(Guide, pp 74, 87)*
  - provision for accessible contact information *(Guide, pp 74, 87)*
  - emergency response plans in place to address major system failures *(Guide, 87)*
  - veterinary care available after hours, weekends, and holidays *(Guide, pp 74, 114)*

- **Identification:**
  - cage/tank cards contain required information *(Guide, pp 75, 87)*
  - genotype information included and standardized nomenclature used when applicable *(Guide, pp 75, 87)*

- **Recordkeeping:**
  - water quality parameters and frequency of testing recorded *(Guide, p 88)*
  - records kept on feeding, nonexpired food supplies, live cultures *(Guide, p 88)*

- **Storage:**
  - adequate space for equipment, supplies, food, substrate and refuse *(Guide, p 141)*
  - substrate protected from contamination *(Guide, p 141)*
  - food in vermin-free, temperature and humidity controlled area and protected from contamination *(Guide, p 141)*
  - refuse storage is separate *(Guide, p 141)*
  - carcass and animal tissue storage is separate, refrigerated below 7ºC and cleanable *(Guide, p 141)*

- **Personnel:**
  - adequate space for locker rooms, administration and training *(Guide, p 135)*

* A = acceptable  
M = minor deficiency  
S = significant deficiency (is or may be a threat to animal health or safety)  
C = change in program (PHS Policy IV.A.1.a.-i.) (include in semiannual report to IO and in annual report to OLAW)  
NA = not applicable

Notes: