

## Aquatic Animal Housing and Support Areas

Date:

Location:

Inspection Team:

	A*	M	S	C	NA
<ul style="list-style-type: none"> <li><b>Location:</b> <ul style="list-style-type: none"> <li>animal areas separate from personnel areas (<i>Guide, p 134</i>)</li> <li>separation of species (<i>Guide, p 111</i>)</li> <li>separation by disease status (<i>Guide, p 111</i>)</li> <li>security and access control (<i>Guide, p 151</i>)</li> </ul> </li> </ul>					
<ul style="list-style-type: none"> <li><b>Construction:</b> <ul style="list-style-type: none"> <li>corridors (<i>Guide, p 136</i>)</li> <li>animal room doors (<i>Guide, pp 137, 150</i>)</li> <li>exterior windows (<i>Guide, p 137</i>)</li> <li>floors (<i>Guide, pp 137, 150</i>)</li> <li>drainage (<i>Guide, pp 138, 150</i>)</li> <li>walls and ceilings (<i>Guide, pp 138, 150</i>)</li> <li>heating ventilation and air conditioning (<i>Guide, pp 139, 150-151</i>)</li> <li>power and lighting (<i>Guide, pp 141, 150</i>)</li> <li>noise control (<i>Guide, p 142</i>)</li> <li>vibration control (<i>Guide, p 142</i>)</li> <li>environmental monitoring (<i>Guide, p 143</i>)</li> </ul> </li> </ul>					
<ul style="list-style-type: none"> <li><b>Water Quality:</b> <ul style="list-style-type: none"> <li>standards for acceptable quality are established (<i>Guide, p 78</i>)</li> <li>chlorine, chloramines, chemical, and reactive bioproducts are removed or neutralized prior to use in aquatic systems (<i>Guide, pp 78, 86</i>) [must]</li> </ul> </li> </ul>					
<ul style="list-style-type: none"> <li><b>Life Support System:</b> <ul style="list-style-type: none"> <li>water source is based on appropriate controls and research requirements (<i>Guide, p 79</i>)</li> <li>biofilter is of sufficient size to process bioload (<i>Guide, p 80</i>) [must]</li> </ul> </li> </ul>					
<ul style="list-style-type: none"> <li><b>Temperature, Humidity and Ventilation/Illumination/Noise and Vibration:</b> <ul style="list-style-type: none"> <li>temperature and humidity (<i>Guide, pp 43, 80-81</i>)</li> <li>ventilation and air quality (<i>Guide, pp 45, 81</i>)</li> <li>illumination (<i>Guide, pp 47, 81</i>)</li> <li>noise and vibration (<i>Guide, pp 49, 81</i>)</li> </ul> </li> </ul>					
<ul style="list-style-type: none"> <li><b>Primary Enclosure:</b> <ul style="list-style-type: none"> <li>allows for normal physiological and behavioral needs (<i>Guide, p 82</i>)</li> <li>allows social interaction for social species (<i>Guide, p 82</i>)</li> <li>provides a balanced, stable environment (<i>Guide, p 82</i>)</li> <li>provides appropriate water quality and monitoring (<i>Guide, p 82</i>)</li> <li>allows access to food and waste removal (<i>Guide, p 82</i>)</li> <li>restricts escape and entrapment (<i>Guide, p 82</i>)</li> <li>allows undisturbed observation (<i>Guide, p 82</i>)</li> <li>constructed of nontoxic materials (<i>Guide, p 82</i>)</li> <li>prevents electrical hazards (<i>Guide, p 82</i>)</li> <li>space needs of species are evaluated by IACUC during program evaluations and facility inspections (<i>Guide, p 83</i>)</li> </ul> </li> </ul>					
<ul style="list-style-type: none"> <li><b>Environmental Enrichment, Social Housing, Behavioral and Social Management:</b> <ul style="list-style-type: none"> <li>enrichment elicits appropriate behaviors and is safe (<i>Guide, p 83</i>)</li> <li>semi-aquatic reptiles are provided terrestrial areas (<i>Guide, p 83</i>)</li> <li>handling is kept to a minimum and appropriate techniques are in place at facility or</li> </ul> </li> </ul>					

Notes:

protocol level ( <i>Guide, p 84</i> )					
o nets are cleaned, disinfected and managed to avoid contamination of systems ( <i>Guide, p 84</i> )					
<b>• Food:</b>					
o storage to prevent contamination, preserve nutrients and prevent pests ( <i>Guide, p 84</i> )					
o delivery ensures access to all animals, minimizing aggression and nutrient loss ( <i>Guide, p 84</i> )					
o storage times are based on manufacturer recommendations or accepted practice ( <i>Guide, p 84</i> )					
o a nutritionally complete diet is provided ( <i>Guide, p 84</i> )					
<b>• Substrate:</b>					
o amount, type and presentation of substrate is appropriate for the system and the species ( <i>Guide, p 85</i> )					
<b>• Sanitation, Cleaning and Disinfection</b>					
o frequency of tank/cage cleaning and disinfection is determined by water quality, permits adequate viewing and health monitoring ( <i>Guide, p 86</i> )					
o cleaning and disinfection of macroenvironment ( <i>Guide, p 86</i> )					
<b>• Waste Disposal:</b>					
o procedures for collection ( <i>Guide, pp 73-74</i> )					
o hazardous wastes are rendered safe before removal from facility ( <i>Guide, pp 73-74</i> ) [must]					
o animal carcasses ( <i>Guide, pp 73-74</i> )					
<b>• Pest Control:</b>					
o regularly scheduled ( <i>Guide, p 74</i> )					
o documented program including control of pests and insecticide use ( <i>Guide, p 74</i> )					
<b>• Emergency, Weekend, and Holiday Animal Care:</b>					
o care provided by qualified personnel every day ( <i>Guide, pp 74, 87</i> )					
o provision for accessible contact information ( <i>Guide, pp 74, 87</i> )					
o emergency response plans in place to address major system failures ( <i>Guide, 87</i> )					
o veterinary care available after hours, weekends, and holidays ( <i>Guide, pp 74, 114</i> ) [must]					
<b>• Identification:</b>					
o cage/tank cards contain required information ( <i>Guide, pp 75, 87</i> )					
o genotype information included and standardized nomenclature used when applicable ( <i>Guide, pp 75, 87</i> )					
<b>• Recordkeeping:</b>					
o water quality parameters and frequency of testing recorded ( <i>Guide, p 88</i> )					
o records kept on feeding, nonexpired food supplies, live cultures ( <i>Guide, p 88</i> )					
<b>• Storage:</b>					
o adequate space for equipment, supplies, food, substrate and refuse ( <i>Guide, p 141</i> )					
o substrate protected from contamination ( <i>Guide, p 141</i> )					
o food in vermin-free, temperature and humidity controlled area and protected from contamination ( <i>Guide, p 141</i> )					
o refuse storage is separate ( <i>Guide, p 141</i> )					
o carcass and animal tissue storage is separate, refrigerated below 7°C and cleanable ( <i>Guide, p 141</i> )					
<b>• Personnel:</b>					
o adequate space for locker rooms, administration and training ( <i>Guide, p 135</i> )					

- \* **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

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