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| --- | --- | --- | --- | --- | --- | --- | --- |
| 1. **Semiannual Facility Inspection Checklist** | | | | | | | |
| **Aquatic Animal Housing and Support AreasNew** | | | | | | |
| **Date:** | | | | | | |
| **Location:** | | | | | | |
|  | | | **A\*** | **M** | **S** | **C** | **NA** |
| * **Location:** | | | | | | | |
| * animal areas separate from personnel areas (*Guide*, [p 134](http://www.nap.edu/openbook.php?record_id=12910&page=134)) | | |  |  |  |  |  |
| * separation of species (*Guide*, [p 111](http://www.nap.edu/openbook.php?record_id=12910&page=111)) | | |  |  |  |  |  |
| * separation by disease status (*Guide*, [p 111](http://www.nap.edu/openbook.php?record_id=12910&page=111)) | | |  |  |  |  |  |
| * security and access control (*Guide*, [p 151](http://www.nap.edu/openbook.php?record_id=12910&page=151)) | | |  |  |  |  |  |
| * **Construction:** | | | | | | | |
| * corridors (*Guide*, [p 136](http://www.nap.edu/openbook.php?record_id=12910&page=136)) | | |  |  |  |  |  |
| * animal room doors (*Guide*, [pp 137](http://www.nap.edu/openbook.php?record_id=12910&page=137), [150](http://www.nap.edu/openbook.php?record_id=12910&page=150)) | | |  |  |  |  |  |
| * exterior windows (*Guide*, [p 137](http://www.nap.edu/openbook.php?record_id=12910&page=137)) | | |  |  |  |  |  |
| * floors (*Guide*, [pp 137](http://www.nap.edu/openbook.php?record_id=12910&page=137), [150](http://www.nap.edu/openbook.php?record_id=12910&page=150)) | | |  |  |  |  |  |
| * drainage (*Guide*, [pp 138](http://www.nap.edu/openbook.php?record_id=12910&page=138), [150](http://www.nap.edu/openbook.php?record_id=12910&page=150)) | | |  |  |  |  |  |
| * walls and ceilings (*Guide*, [pp 138](http://www.nap.edu/openbook.php?record_id=12910&page=138), [150](http://www.nap.edu/openbook.php?record_id=12910&page=150)) | | |  |  |  |  |  |
| * heating ventilation and air conditioning (*Guide*, [pp 139](http://www.nap.edu/openbook.php?record_id=12910&page=139), [150-151](http://www.nap.edu/openbook.php?record_id=12910&page=150)) | | |  |  |  |  |  |
| * power and lighting (*Guide*, [pp 141](http://www.nap.edu/openbook.php?record_id=12910&page=141), [150](http://www.nap.edu/openbook.php?record_id=12910&page=150)) | | |  |  |  |  |  |
| * noise control (*Guide*, [p 142](http://www.nap.edu/openbook.php?record_id=12910&page=142)) | | |  |  |  |  |  |
| * vibration control (*Guide*, [p 142](http://www.nap.edu/openbook.php?record_id=12910&page=142)) | | |  |  |  |  |  |
| * environmental monitoring (*Guide*, [p 143](http://www.nap.edu/openbook.php?record_id=12910&page=143)) | | |  |  |  |  |  |
| * **Water Quality:** | | | | | | | |
| * standards for acceptable quality are established (*Guide*, [p 78](http://www.nap.edu/openbook.php?record_id=12910&page=78)) | | |  |  |  |  |  |
| * chlorine, chloramines, chemical, and reactive bioproducts are removed or neutralized prior to use in aquatic systems (*Guide*, [pp78](http://www.nap.edu/openbook.php?record_id=12910&page=78), [86](http://www.nap.edu/openbook.php?record_id=12910&page=86)) [must] | | |  |  |  |  |  |
| * **Life Support System:** | | | | | | | |
| * water source is based on appropriate controls and research requirements (*Guide*, [p 79](http://www.nap.edu/openbook.php?record_id=12910&page=79)) | | |  |  |  |  |  |
| * biofilter is of sufficient size to process bioload (*Guide*, [p 80](http://www.nap.edu/openbook.php?record_id=12910&page=80)) [must] | | |  |  |  |  |  |
| * **Temperature, Humidity and Ventilation/Illumination/Noise and Vibration:** | | | | | | | |
| * temperature and humidity (*Guide*, [pp 43](http://www.nap.edu/openbook.php?record_id=12910&page=43), [80-81](http://www.nap.edu/openbook.php?record_id=12910&page=80)) | | |  |  |  |  |  |
| * ventilation and air quality (*Guide*, [pp 45](http://www.nap.edu/openbook.php?record_id=12910&page=45), [81](http://www.nap.edu/openbook.php?record_id=12910&page=81)) | | |  |  |  |  |  |
| * illumination (*Guide*, [pp 47](http://www.nap.edu/openbook.php?record_id=12910&page=47), [81](http://www.nap.edu/openbook.php?record_id=12910&page=81)) | | |  |  |  |  |  |
| * noise and vibration (*Guide*, [pp 49](http://www.nap.edu/openbook.php?record_id=12910&page=49), [81](http://www.nap.edu/openbook.php?record_id=12910&page=81)) | | |  |  |  |  |  |
| * **Primary Enclosure:** | | | | | | | |
| * allows for normal physiological and behavioral needs (*Guide*, [p 82](http://www.nap.edu/openbook.php?record_id=12910&page=82)) | | |  |  |  |  |  |
| * allows social interaction for social species (*Guide*, [p 82](http://www.nap.edu/openbook.php?record_id=12910&page=82)) | | |  |  |  |  |  |
| * provides a balanced, stable environment (*Guide*, [p 82](http://www.nap.edu/openbook.php?record_id=12910&page=82)) | | |  |  |  |  |  |
| * provides appropriate water quality and monitoring (*Guide*, [p 82](http://www.nap.edu/openbook.php?record_id=12910&page=82)) | | |  |  |  |  |  |
| * allows access to food and waste removal (*Guide*, [p 82](http://www.nap.edu/openbook.php?record_id=12910&page=82)) | | |  |  |  |  |  |
| * restricts escape and entrapment (*Guide*, [p 82](http://www.nap.edu/openbook.php?record_id=12910&page=82)) | | |  |  |  |  |  |
| * allows undisturbed observation (*Guide*, [p 82](http://www.nap.edu/openbook.php?record_id=12910&page=82)) | | |  |  |  |  |  |
| * constructed of nontoxic materials (*Guide*, [p 82](http://www.nap.edu/openbook.php?record_id=12910&page=82)) | | |  |  |  |  |  |
| * prevents electrical hazards (*Guide*, [p 82](http://www.nap.edu/openbook.php?record_id=12910&page=82)) | | |  |  |  |  |  |
| * space needs of species are evaluated by IACUC during program evaluations and facility inspections (*Guide*, [p 83](http://www.nap.edu/openbook.php?record_id=12910&page=83)) | | |  |  |  |  |  |
| * **Environmental Enrichment, Social Housing, Behavioral and Social Management:** | | | | | | | |
| * enrichment elicits appropriate behaviors and is safe (*Guide*, [p 83](http://www.nap.edu/openbook.php?record_id=12910&page=83)) | | |  |  |  |  |  |
| * semi-aquatic reptiles are provided terrestrial areas (*Guide*, [p 83](http://www.nap.edu/openbook.php?record_id=12910&page=83)) | | |  |  |  |  |  |
| * handling is kept to a minimum and appropriate techniques are in place at facility or protocol level (*Guide*, [p 84](http://www.nap.edu/openbook.php?record_id=12910&page=84)) | | |  |  |  |  |  |
| * nets are cleaned, disinfected and managed to avoid contamination of systems (*Guide*, [p 84](http://www.nap.edu/openbook.php?record_id=12910&page=84)) | | |  |  |  |  |  |
| * **Food:** | | | | | | | |
| * storage to prevent contamination, preserve nutrients and prevent pests (*Guide*, [p 84](http://www.nap.edu/openbook.php?record_id=12910&page=84)) | | |  |  |  |  |  |
| * delivery ensures access to all , minimizing aggression and nutrient loss (*Guide*, [p 84](http://www.nap.edu/openbook.php?record_id=12910&page=84)) | | |  |  |  |  |  |
| * storage times are based on manufacturer recommendations or accepted practice (*Guide*, [p 84](http://www.nap.edu/openbook.php?record_id=12910&page=84)) | | |  |  |  |  |  |
| * a nutritionally complete diet is provided (*Guide*, [p 84](http://www.nap.edu/openbook.php?record_id=12910&page=84)) | | |  |  |  |  |  |
| * **Substrate:** | | | | | | | |
| * amount, type and presentation of substrate is appropriate for the system and the species (*Guide*, [p 85](http://www.nap.edu/openbook.php?record_id=12910&page=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](http://www.nap.edu/openbook.php?record_id=12910&page=86)) | | |  |  |  |  |  |
| * cleaning and disinfection of macroenvironment (*Guide*, [p 86](http://www.nap.edu/openbook.php?record_id=12910&page=86)) | | |  |  |  |  |  |
| * **Waste Disposal:** | | |  |  |  |  |  |
| * procedures for collection (*Guide*, [pp 73-74](http://www.nap.edu/openbook.php?record_id=12910&page=73)) | | |  |  |  |  |  |
| * hazardous wastes are rendered safe before removal from facility (*Guide*, [pp 73-74](http://www.nap.edu/openbook.php?record_id=12910&page=73)) [must] | | |  |  |  |  |  |
| * animal carcasses (*Guide*, [pp 73-74](http://www.nap.edu/openbook.php?record_id=12910&page=73)) | | |  |  |  |  |  |
| * **Pest Control:** | | | | | | | |
| * regularly scheduled (*Guide*, [p 74](http://www.nap.edu/openbook.php?record_id=12910&page=74)) | | |  |  |  |  |  |
| * documented program including control of pests and insecticide use (*Guide*, [p 74](http://www.nap.edu/openbook.php?record_id=12910&page=74)) | | |  |  |  |  |  |
| * **Emergency, Weekend, and Holiday Animal Care:** | | | | | | | |
| * care provided by qualified personnel every day (*Guide*, [pp 74](http://www.nap.edu/openbook.php?record_id=12910&page=74), [87](http://www.nap.edu/openbook.php?record_id=12910&page=87)) | | |  |  |  |  |  |
| * provision for accessible contact information (*Guide*, [pp 74](http://www.nap.edu/openbook.php?record_id=12910&page=74), [87](http://www.nap.edu/openbook.php?record_id=12910&page=87)) | | |  |  |  |  |  |
| * emergency response plans in place to address major system failures (*Guide*, [87](http://www.nap.edu/openbook.php?record_id=12910&page=87)) | | |  |  |  |  |  |
| * veterinary care available after hours, weekends, and holidays (*Guide*, [pp 74](http://www.nap.edu/openbook.php?record_id=12910&page=74), [114](http://www.nap.edu/openbook.php?record_id=12910&page=114)) [must] | | |  |  |  |  |  |
| * **Identification:** | | | | | | | |
| * cage/tank cards contain required information (*Guide*, [pp 75](http://www.nap.edu/openbook.php?record_id=12910&page=75), [87](http://www.nap.edu/openbook.php?record_id=12910&page=87)) | | |  |  |  |  |  |
| * genotype information included and standardized nomenclature used when applicable (*Guide*, [pp 75](http://www.nap.edu/openbook.php?record_id=12910&page=75), [87](http://www.nap.edu/openbook.php?record_id=12910&page=87)) | | |  |  |  |  |  |
| * **Recordkeeping:** | | |  |  |  |  |  |
| * water quality parameters and frequency of testing recorded (*Guide*, [p 88](http://www.nap.edu/openbook.php?record_id=12910&page=88)) | | |  |  |  |  |  |
| * records kept on feeding, nonexpired food supplies, live cultures (*Guide*, [p 88](http://www.nap.edu/openbook.php?record_id=12910&page=88)) | | |  |  |  |  |  |
| * **Storage:** | | |  |  |  |  |  |
| * adequate space for equipment, supplies, food, substrate and refuse (*Guide*, [p 141](http://www.nap.edu/openbook.php?record_id=12910&page=141)) | | |  |  |  |  |  |
| * substrate protected from contamination (*Guide*, [p 141](http://www.nap.edu/openbook.php?record_id=12910&page=141)) | | |  |  |  |  |  |
| * food in vermin-free, temperature and humidity controlled area and protected from contamination (*Guide*, [p 141](http://www.nap.edu/openbook.php?record_id=12910&page=141)) | | |  |  |  |  |  |
| * refuse storage is separate (*Guide*, [p 141](http://www.nap.edu/openbook.php?record_id=12910&page=141)) | | |  |  |  |  |  |
| * carcass and animal tissue storage is separate, refrigerated below 7ºC and cleanable (*Guide*, [p 141](http://www.nap.edu/openbook.php?record_id=12910&page=141)) | | |  |  |  |  |  |
| * **Personnel:** | | |  |  |  |  |  |
| * adequate space for locker rooms, administration and training (*Guide*, [p 135](http://www.nap.edu/openbook.php?record_id=12910&page=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.](http://grants.nih.gov/grants/olaw/references/phspol.htm#AnimalWelfareAssurance)) (include in semiannual report to IO and in annual report to OLAW) | | | | | |
|  | | **NA** = not applicable | | | | | |
|  | | | | | | | |
| **NOTES:** | | | | | | | |