



Inspection Report

UNIVERSITY OF KENTUCKY

Customer ID: 898

Certificate: 61-R-0002

Site: 001

UNIVERSITY OF KENTUCKY

DIVISION OF LAB ANIMAL RESOURCES

Type: ROUTINE INSPECTION

Date: Jun-08-2010

LEXINGTON, KY 40536

2.33 (b) (1)

ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

Sec. 2.33 Attending veterinarian and adequate veterinary care.

...(b) Each research facility shall establish and maintain programs of adequate veterinary care that include:

(1) The availability of appropriate facilities, personnel, equipment, and services to comply with the provisions of this subchapter;...

In room A9, a box of 4-0 Prolene Lot TAE187 was noted to have an expiration date of January 2009.

Expired suture material may not perform as expected or intended. This can affect the health and well being of the animals.

Facility needs to insure availability and use of appropriate in date suture material for all survival surgeries in regulated species.

Corrected during inspection.

2.38 (f) (1)

MISCELLANEOUS.

2.38(f) Handling. (1) Handling of all animals shall be done as expeditiously and carefully as possible in a manner that does not cause trauma, overheating, excessive cooling, behavioral stress, physical harm, or unnecessary discomfort.

A current non-human primate protocol involves transporting the rhesus macaques from the animal housing areas to the MRI study areas through multiple hallways accessible by the public and non-animal user employees. The protocol states that the macaques may be moved while under general anesthesia on a cart or while awake and chaired. The inspectors were told that currently the macaques were only being moved while anesthetized and lying on a cart with a blanket covering them. This method of transportation may not securely and comfortably contain the macaques in all situations given the rigors of transportation which may lead to injury or stress to the macaque or to people in the vicinity. All animals shall be handled in a secure and careful manner during transportation such that the transportation

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does not lead to harm or stress. Correct by Sept. 10, 2010.

3.1 (c) (2)

HOUSING FACILITIES, GENERAL.

3.1(c) Surfaces. (2) Maintenance and replacement of surfaces. All surfaces must be maintained on a regular basis. Surfaces of housing facilities...that cannot be readily cleaned and sanitized, must be replaced when worn or soiled.

Room B2 houses 18 dogs in sheltered housing. In several of the enclosures, the cement framing around the outside of the doggie door shows wear of the surfaces such that the paint is missing and rough porous cement is visible. These areas are not readily cleanable and sanitizable which may lead to spread of disease. All surfaces including the framing around the doggie doors must be maintained such that they are readily cleanable and sanitizable. Correct by Dec. 10, 2010.

3.29 (a)

FEEDING.

3.29(a) Guinea pigs and hamsters shall be fed each day except as otherwise might be required to provide adequate veterinary care. The food shall be free from contamination, wholesome, palatable and of sufficient quantity and nutritive value to meet the normal daily requirements for the condition and size of the guinea pig or hamster.

Room A4 houses 2 hamsters. The open bag of feed used to feed the hamsters in this room had a mill date of 12/4/09 and thus an expiration date of 6/4/10. Expired food may no longer be wholesome or palatable. All food fed to hamsters shall be in date to ensure that it is wholesome and palatable. Correct by June 11, 2010.

3.31 (b)

SANITATION.

3.31(b) Housekeeping. Premises (buildings and grounds) shall be kept clean and in good repair in order to protect the animals from injury and to facilitate the prescribed husbandry practices set forth in this subpart. Premises shall remain free of accumulations of trash.

*Room A3 houses 20 hamsters. Food debris, hamster fecal material and pencils were noted on the floor. Used crumpled paper towels were noted on top of the boxes. A rubbing alcohol bottle was resting on top of an enclosure. *Room A4 houses 2 hamsters. The covered plastic container used to store the feed contained the bag of feed along with some trash consisting of paper debris and exam gloves. Accumulations of trash and debris will lead to attraction of vermin and pests and can lead to spread of disease or injury to the animals. Premises shall be kept clean and shall remain free of accumulations of trash. Correct by June 15, 2010.

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3.131 (c)

SANITATION.

3.131(c) Housekeeping. Premises (buildings and grounds) shall be kept clean and in good repair in order to protect the animals from injury and to facilitate the prescribed husbandry practices set forth in this subpart.

*Room A7 houses 12 pigs. The junction of the the wall and baseboard around the entire room is in disrepair. Its junction forms a ring around the room that is rusty in color and roughened in texture. The baseboard is separating from the wall in spots allowing dirt to collect. The disrepair noted makes it difficult to clean and sanitize the room as required.

*In addition, stored flooring pieces used within the enclosures were noted leaned up against the wall of this room. Dried fecal material was visible in some underside sections of this flooring.

All premises shall be kept clean and in good repair. Correct by Dec. 10, 2010.

An exit briefing was conducted by Susanne Brunkhorst, VMO and Mark Thompson, VMO with facility representatives including the Attending Veterinarian, the IACUC chair and the IO.

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UNIVERSITY OF KENTUCKY

Customer ID: 898

DIVISION OF LAB ANIMAL RESOURCES
204 BOSOMWORTH HEALTH SCIENCES

Certificate: 61-R-0002

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UNIVERSITY OF KENTUCKY

LEXINGTON, KY 40536

Type: ROUTINE INSPECTION

Date: Mar-17-2009

2.31 (c) (3)

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

Sec. 2.31 Institutional Animal Care and Use Committee (IACUC). (c) IACUC functions. With respect to activities involving animals, the IACUC, as an agent of the research facility, shall:

- (1) Review, at least once every six months, the research facility's program for humane care and use of animals, using title 9, chapter I, subchapter A--Animal Welfare, as a basis for evaluation;
- (2) Inspect, at least once every six months, all of the research facility's animal facilities, including animal study areas, using title 9, chapter I, subchapter A--Animal Welfare, as a basis for evaluation; Provided, however, That animal areas containing free-living wild animals in their natural habitat need not be included in such inspection;
- (3) Prepare reports of its evaluations conducted as required by paragraphs (c)(1) and (2) of this section, and submit the reports to the Institutional Official of the research facility;... The reports must contain a description of the nature and extent of the research facility's adherence to this subchapter, must identify specifically any departures from the provisions of title 9, chapter I, subchapter A--Animal Welfare, and must state the reasons for each departure. The reports must distinguish significant deficiencies from minor deficiencies. A significant deficiency is one which, with reference to Subchapter A, and, in the judgment of the IACUC and the Institutional Official, is or may be a threat to the health or safety of the animals. If program or facility deficiencies are noted, the reports must contain a reasonable and specific plan and schedule with dates for correcting each deficiency...

The evaluation reports to the Institutional Official dated July 18, 2008 and Jan. 21, 2009 include information regarding the IACUCs semiannual review of the facility's program of humane care and use which states that the IACUC noted deficiencies in the program. The evaluation reports did not indicate whether the deficiencies were minor or significant. The reports also did not include a correction plan or correction schedule with dates for each deficiency. The evaluation reports to the IO must contain this information to allow the IO to understand and address the needs of the program. The IACUC shall prepare reports of its semiannual evaluations that identify any departures from the provisions of title 9, chapter I, subchapter A--Animal Welfare, state the reasons for each departure, distinguish significant deficiencies from minor deficiencies, and contain a reasonable and specific plan and schedule with dates for correcting each deficiency. Correct from this day forward.

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2.36 (b) (3)

ANNUAL REPORT.

Sec. 2.36 Annual report. (b) The annual report shall: (3) Assure that the facility is adhering to the standards and regulations under the Act, and that it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the IACUC. A summary of all such exceptions must be attached to the facility's annual report. In addition to identifying the IACUC-approved exceptions, this summary must include a brief explanation of the exceptions, as well as the species and number of animals affected;

During the inspection it was noted that the IACUC approved two exceptions and that animals were used on the protocols involved during fiscal year 2008. These exceptions involved hamsters maintained in total darkness and sheep housed in metabolism cages. The summary of exceptions to the facility's fiscal year 2008 annual report did not include these two approved exceptions. The annual report must contain a summary of all exceptions along with a brief explanation of the exceptions and the species and number of animals affected. Correct by submitting a revised 2008 Annual Report by April 15, 2009.

3.54 (a)

FEEDING.

Sec. 3.54 Feeding. (a) Rabbits shall be fed at least once each day except as otherwise might be required to provide adequate veterinary care. The food shall be free from contamination, wholesome, palatable and of sufficient quantity and nutritive value to meet the normal daily requirements for the condition and size of the rabbit.

During the inspection it was noted that the Harlan Teklad feed being fed to rabbits in two rooms in the main building had a mill date of 9-11-08 and thus an expiration date of 3-11-09. Expired feed may no longer be nutritious as some feed ingredients may degrade over time. All food fed to rabbits shall be wholesome and of sufficient nutritive value to meet normal daily requirements of the rabbits. Correct by March 26, 2009.

3.84 (c)

CLEANING, SANITIZATION, HOUSEKEEPING, AND PEST CONTROL.

Sec. 3.84 Cleaning, sanitization, housekeeping, and pest control. (c) Housekeeping for premises. Premises where housing facilities are located, including buildings..., must be kept clean and in good repair in order... to facilitate the husbandry practices required in this subpart, and to reduce or eliminate breeding and living areas for rodents, pests, and vermin.

The cage wash used to clean non-human primate cages is not in operating condition at this time as a new unit is being installed. The cages are being cleaned and sanitized in a room in the facility. The ceiling in this room is in disrepair as sections are peeling off and it is not impervious to moisture. The condition of the ceiling makes it difficult to adequately sanitize and pieces of the ceiling may fall onto the cages. Premises must be kept in good repair to

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facilitate husbandry practices required. Correct by April 15, 2009.

Records reviewed: Semiannual evaluation reports dated 1/31/08, 7/18/08 and 1/21/09; IACUC meeting minutes for meetings held November 2007 through January 2009; Nonhuman primate environmental enrichment plan; Fiscal year 2008 annual report; health records; Protocols 2008-0417, 00759M2004, 0095M2005, 2007-0153, 0098M2006 and 2007-0121.

Present during inspection: Attending veterinarian, clinical veterinarian, facility manager, VMO.

Present during inspection: Undersigned attending veterinarian and VMO and clinical veterinarians.

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DIVISION OF LAB ANIMAL RESOURCES

Type: ROUTINE INSPECTION

LEXINGTON, KY 40536

Date: Nov-20-2007

This inspection occurred on Tuesday, November 20, 2007 and the exit interview occurred on Wednesday November 21, 2007.

No non-compliant items observed on this inspection.

This inspection occurred with a clinical veterinarian and the Director, DLAR. The records review occurred with the University Veterinarian and Director, DLAR. The exit interview occurred with Director, DLAR.

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JOHN W POE, D. V. M. USDA, APHIS, Animal Care

Date:

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DIVISION OF LAB ANIMAL RESOURCES

Type: ROUTINE INSPECTION

LEXINGTON, KY 40536

Date: Jun-08-2010

3.125 (c)

FACILITIES, GENERAL

3.125(c) Storage. Supplies of food and bedding shall be stored in facilities which adequately protect such supplies against deterioration, molding, or contamination by vermin.

Feed for the ponies is stored in the storage room of barn L1 in a large uncovered wheeled feed cart. Feed was noted on the floor. Uncovered feed will attract vermin and pests and may deteriorate. All feed shall be stored covered to protect the feed against deterioration, molding and contamination by vermin. Correct by June 21, 2010.

An exit briefing was conducted by Susanne Brunkhorst, VMO and Mark Thompson, VMO with facility representatives including the attending veterinarian, the IACUC chair and the IO.

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SUSANNE BRUNKHORST, V M O USDA, APHIS, Animal Care

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Date: Mar-17-2009

2.33 (a) (2)

ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

Sec. 2.33 Attending veterinarian and adequate veterinary care. (a) Each research facility shall have an attending veterinarian who shall provide adequate veterinary care to its animals in compliance with this section: (2) Each research facility shall assure that the attending veterinarian has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use;

The attending veterinarian has been given the authority in writing to oversee the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use but in practice does not have this authority over the animals in the agriculture and veterinary science divisions of the university. It was discovered by this inspector and the attending veterinarian during this inspection that some of the horses were actually being used on biomedical protocols rather than agricultural studies. The attending veterinarian had notified the agriculture and veterinary science divisions of required facility improvements needed to meet biomedical research standards and none had been implemented prior to starting the use of the horses on the biomedical research protocols. In addition, during the most recent semi-annual review of the program of humane care and use the IACUC identified that veterinary authority was an issue. The IACUC wrote in their evaluation letter (dated 1-21-09) to the Institutional Official in response to the veterinary authority issue that the the veterinarian's authority to carry out their duties is "adequate for AAALAC accredited areas. Inadequate in all other areas." Adequate authority must be given to the attending veterinarian to ensure the health and well-being of all the animals regulated under the Animal Welfare Act. The university shall assure that the attending veterinarian has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. Correct from this day forward.

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3.127 (a)

FACILITIES, OUTDOOR.

Sec. 3.127 Facilities, outdoor. (a) Shelter from sunlight. When sunlight is likely to cause overheating or discomfort of the animals, sufficient shade by natural or artificial means shall be provided to allow all animals kept outdoors to protect themselves from direct sunlight.

The outdoor enclosures/paddocks housing horses on biomedical studies consist of a fenced in grass covered area. There are no artificial or natural shade producing structures present. Lack of shade may lead to overheating and discomfort of the animals. All outdoor housing facilities must offer shelter from sunlight. Correct by August 1, 2009.

3.127 (b)

FACILITIES, OUTDOOR.

Sec. 3.127 Facilities, outdoor. (b) Shelter from inclement weather. Natural or artificial shelter appropriate to the local climatic conditions for the species concerned shall be provided for all animals kept outdoors to afford them protection and to prevent discomfort to such animals...

The outdoor enclosures/paddocks housing horses on biomedical studies consist of a fenced in grass covered area. There are no artificial or natural structures providing shelter from inclement weather present. Lack of shelter may lead to discomfort and injury to the animals. All outdoor housing facilities must offer shelter from inclement weather. Correct by August 1, 2009.

3.131 (c)

SANITATION.

Sec. 3.131 Sanitation. (c) Housekeeping. Premises (buildings and grounds) shall be kept clean and in good repair in order to protect the animals from injury and to facilitate the prescribed husbandry practices set forth in this subpart...

The stalls/enclosures in the barn housing horses on biomedical research studies involving infectious disease studies have walls and floors that are composed of porous unsealed concrete. Porous surfaces cannot be adequately sanitized using one of the required methods consisting of washing the surfaces with a detergent solution followed by the use of a disinfectant or by cleaning the surfaces with saturated live steam under pressure. All buildings shall be kept in good repair to facilitate the prescribed husbandry practices including cleaning and sanitation of enclosures. Correct by August 1, 2009.

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