



Inspection Report

UNIVERSITY OF PENNSYLVANIA

Customer ID: 309

Certificate: 23-R-0023

Site: 001

SCHOOL OF MED/VET-NEW BOLTON

3624 MARKET STREET

Type: ROUTINE INSPECTION

Date: Jul-20-2011

PHILADELPHIA, PA 19104

2.33 (b) (3) **REPEAT**
ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

Item Veterinary Care 2.33 b 3 Repeat

Each research facility shall establish and maintain programs of adequate veterinary care that include: Daily observation of all animals to assess their health and well-being; Provided, however, That daily observation of animals may be accomplished by someone other than the attending veterinarian; and Provided, further, That a mechanism of direct and frequent communication is required so that timely and accurate information on problems of animal health, behavior, and well-being is conveyed to the attending veterinarian;

At the time of inspection 2 dogs numbers 349 and 342 in VHUP had interdigital cysts located each on their front paw. One of the animals had been under care for an ear infection at the time but the cysts were not discovered.

Facility needs to insure canines are examined and treated in a timely manner.

Before the end of inspection clinical veterinarian examined both dogs and instituted a course of treatment.

Corrected at time of inspection

3.6 (a) (2) (iii)
PRIMARY ENCLOSURES.

Item Primary enclosure a 2 iii

Primary enclosures for dogs and cats must meet the following minimum requirements:contain the dogs and cats securely;

At the time of inspection the semiannual report for the facility was reviewed . It indicated that a neonate puppy was found under the floor grate in a kennel and was dead. It apparently was able to get through a space that existed.

The facility has modified its floor grates to insure this does not happen again and kennels rooms have nearly completed the renovations.

Facility needs to insure all floors for the kennels can securely contain all animals.

Correct from this day 7/20/11

Prepared By:

JOHN LOPINTO, D V M USDA, APHIS, Animal Care

Date:

Title: VETERINARY MEDICAL OFFICER Inspector 1008

Jul-20-2011

Received By:

(b)(6), (b)(7)(c)

Date:

Title:

Jul-20-2011



Inspection Report

3.11 (c) REPEAT

CLEANING, SANITIZATION, HOUSEKEEPING, AND PEST CONTROL.

Item housekeeping 3.11c Repeat

Premises where housing facilities are located, including buildings and surrounding grounds, must be kept clean and in good repair to protect the animals from injury, to facilitate the husbandry practices required in this subpart. At the time of inspection the light intensity switch box located in room 3032 VHUP was rusty and needs to be replaced

Facility needs to repair/replace switch box so that the environment in the surgery can be cleaned and maintained.

3.75 (a)

HOUSING FACILITIES, GENERAL.

Item Housing Facilities General 3.75 a.

Housing facilities for nonhuman primates must be designed and constructed so that they are structurally sound for the species of nonhuman primates housed in them. They must be kept in good repair, and they must protect the animals from injury, contain the animals securely, and restrict other animals from entering.

In Room 411 in the Richards building there was a plastic chute attaching a NHP play cage to a standard NHP quad cage. This chute was pleated, and areas of rusty debris were observed around some of the metal rings in the pleats. This debris can harbor microorganisms and can affect the health of the animals. In addition, NHP enclosures and associated materials which the animals come in contact with need to be kept in a sanitary manner.

The facility needs to address this issue and repair/replace rusted areas.

Correct by 7/22/11

3.130 REPEAT

WATERING.

Item Watering 3.130 repeat

If potable water is not accessible to the animals at all times, it must be provided as often as necessary for the health and comfort of the animal. Frequency of watering shall consider age, species, condition, size, and type of the animal. All water receptacles shall be kept clean and sanitary.

At the time of inspection the semi annual report was reviewed and indicated that there were unexpected deaths of 3 gerbils due to unsuitable sipper tubes.

Facility needs to insure all animals are able to to have access to water and personnel are aware of the husbandry requirements for the species.

Correct from this day 7/20/11

Note Facility has looked into the matter and no further incidences have occurred

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Inspection Report

3.131 (a) REPEAT

SANITATION.

Item Sanitation 3.131 a Repeat

Excreta shall be removed from primary enclosures as often as necessary to prevent contamination of the animals contained therein and to minimize disease hazards and to reduce odors

Unit 2 barn There are 2 pens in the heifer barn separated by a central isle where the feed for the heifers is placed. The pens have a concrete floor and straw bedding. Half of each pen next to central isle is where the animals must stand in order to eat feed. While this was cited on the last inspection one of the pens is improved the other pen still has an accumulation of urine/manure accumulated on the concrete floor and the heifers still have to walk through and stand in manure/urine mixture in order to access the feed. This affects approximately 15 heifers.

Excreta should be removed as often as necessary from primary enclosures to prevent contamination of the animals, minimize disease hazards and to reduce odors.

The frequency of cleaning of primary enclosures should be adjusted for the health of the animals.

An exit briefing took place at the end of inspection

Inspection took place over 3 days 7//18-20/11

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SCHOOL OF MED/VET-NEW BOLTON

OFFICE OF THE VICE PROVOST FOR RESEARCH

Type: ROUTINE INSPECTION

PHILADELPHIA, PA 19104

Date: Aug-02-2010

This is a focused inspection to review the repeat item of outdated drugs from the May inspection. No outdated drugs were found at time of this inspection.

Facility is advised that all other items cited on the May 2010 inspection will be reviewed on the next inspection.

An exit briefing was conducted with the registrant at the conclusion of the inspection.

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Date:

Title: VETERINARY MEDICAL OFFICER Inspector 1008

Aug-02-2010

Received By:

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SCHOOL OF MED/VET-NEW BOLTON

OFFICE OF THE VICE PROVOST FOR RESEARCH

Type: ROUTINE INSPECTION

PHILADELPHIA, PA 19104

Date: May-10-2010

2.31 (c) (7)

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

Item IACUC 2.31

The IACUC, as an agent of the research facility, shall: (7) Review and approve, require modifications in (to secure approval), or withhold approval of proposed significant changes regarding the care and use of animals in ongoing activities.

Pertaining to Protocol #802876: On 5/3/10, an adult Ferret #219119B was anesthetized using Ketamine and Dexmedetomidine for intranasal delivery of test article; Atipamezole was used to reverse the anesthesia following the procedure. The research activity conducted by the investigator on 5/3/10 deviated from the IACUC approved protocol as follows:

- a. The protocol states on pg 5 that the intranasal delivery of test article will only be done in 8 week old Ferrets.
- b. The protocol states on pp 5, 19, and 21 that the procedure of intranasal delivery of test agent will be done under anesthesia using Ketamine and Xylazine.

The IACUC must review and approve any proposed significant changes to ongoing research activities before the proposed changes can be implemented by the investigator. The IACUC needs to address the deviations identified for this proposal.

Correct by 6/13/10.

2.33 (b) (2)

ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

Item Veterinary Care 2.33b 2

Each research facility shall establish and maintain programs of adequate veterinary care that include:

The use of appropriate methods to prevent, control, diagnose, and treat diseases and injuries, and the availability of emergency, weekend, and holiday care;

The toe nails of the Ferrets in TRL-1030 were noted to be very long and overgrown. Regular trimming of toe nails is important for the comfort of the animals and to avoid injury to the nail

Facility corrected this item during the inspection by trimming the toe nails. This affected 4 Ferrets

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May-13-2010



Inspection Report

2.33 (b) (3)

ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

Item Veterinary Care 2.33 b 3

Daily observation of all animals to assess their health and well-being; Provided, however, That daily observation of animals may be accomplished by someone other than the attending veterinarian; and Provided, further, That a mechanism of direct and frequent communication is required so that timely and accurate information on problems of animal health, behavior, and well-being is conveyed to the attending veterinarian.

At the time of inspection while reviewing dog records in the canine facility at NBC, one dog record indicated on 9/30/09 that the dog needed anesthesia for teeth cleaning, 8 months later a veterinarian still had not been notified for a scheduling a dental.

Facility needs to establish a method so that communication is effective to establish proper care for the animals.

Correct by 5/18/10

2.33 (b)

REPEAT

ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

Item Veterinary Care 2.33 b

Each research facility shall maintain a program of adequate veterinary care.

At the time of inspection outdated drugs were found to include one bottle of Euthansia solution exp 12/09 and 3 box (11 vials) of buprenex exp 1 May 10 at the GLD facility.

Facility needs to review procedures for monitoring drugs to insure adequate veterinary care.

Facility removed drugs at time of inspection

3.9 (a)

FEEDING.

Item Feeding 3.9 a

The food must be uncontaminated, wholesome, palatable, and of sufficient quantity and nutritive value to maintain the normal condition and weight of the animal.

There were 22 cans of Cat food identified in R-701C that had a best by date of 4/9/10 stamped on each can. Food that has passed the best by date stamped on the can may not be wholesome and of sufficient nutritive quality.

Food supplies should be monitored on a regular basis to determine that the food is in current dating and to ensure the food has sufficient nutritive value for the health of the animals.

Registrant corrected this item during the inspection by discarding the cans of Cat food.

3.11 (c)

CLEANING, SANITIZATION, HOUSEKEEPING, AND PEST CONTROL.

Item Housekeeping 3.11 c

Premises where housing facilities are located, including buildings and surrounding grounds, must be kept clean and in good repair to protect the animals from injury,

At the time of inspection the junior surgery operating room had a portion of the ceiling peeling and blistering and

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needs to be repaired.

Facility needs to repair ceiling so area is maintained in good repair.

Correct by 7/1/10

At the time of inspection window frame in OR 6-3--32 was peeling and rusty and needs to be repaired.

Facility needs to repair window frame to maintain the area in good repair.

Correct by 7/1/10

3.75 (e)

HOUSING FACILITIES, GENERAL.

Item Storage 3.75 e

Substances that are toxic to the nonhuman primates but that are required for normal husbandry practices must not be stored in food storage and preparation areas, but may be stored in cabinets in the animal areas.

There were bottles of bleach stored on a shelf in R-605. Containers of NHP enrichment food treats were located on a shelf beneath the bottles of bleach.

Toxic substances that are required for normal husbandry practices should not be stored in NHP food storage areas to avoid contamination of the food.

Registrant corrected this item during the inspection by moving the bottles of bleach to another area.

This affected 15 NHP

3.125 (a)

FACILITIES, GENERAL.

Item Facilities General 3.125 a

The facility must be constructed of such material and of such strength as appropriate for the animals involved. The indoor and outdoor housing facilities shall be structurally sound and shall be maintained in good repair to protect the animals from injury and to contain the animals.

1 Protocol #800857 uses newborn Piglets that are 1-1.3 kg in size when delivered to facility. The floor of the Piglets primary enclosure is a vinyl coated rack with diamond shaped openings. The size of the diamond shaped openings in the floor allowed the small sized hooves of the Piglets feet to pass through the openings to the level of the rear claws when the animals walked. This affects 8 Piglets.

2.. Feline enclosures have been modified to house Ferrets in TRL-1030. The floor of the enclosures is a 1x1 inch mesh grate with 5/8 x 5/8 inch square shaped openings covered with a sheet of brown paper. The sheet of brown paper had folded over from the activity of the Ferrets so that the floor was uncovered. The size of the square shaped openings in the floor allowed the Ferrets feet to pass through the openings when the animals walked. This affected 4 Ferrets.

Registrant corrected items 1 and 2 during the inspection by putting rubber mats into the Piglet enclosures and putting a solid panel into the Ferret enclosures to cover the openings in the floors so the animals feet can no longer pass through the openings.

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3. G Barn: There was a drain approximately 8x8 inches in size in the floor in-between 2 adjacent pens housing Pigs. The cover to the drain had not been returned to its proper position after cleaning of the pen the day before and the drain was uncovered. This resulted in an opening in the floor of each of the pens that could allow the feet and/or legs of the Pigs to enter the drain and cause an injury. This affected 2 Pigs.

4. Annex II and L Barn: The sheet metal flashing on each side of the door frame of the barns used to house Horses had been damaged and bent, jagged, and sharp edges were exposed that could cause an injury to the Horses. This affected 8 Horses.

5. Annex II: One of the horizontal boards in the left side wall of the barn had been damaged and a section of the board approximately 5 feet in length was missing. This created a gap in the wall that could result in injury to the feet or limbs of the Horses. This affected 4 Horses.

6. L Barn: The ends of the sheet metal panel along the bottom of the side windows were bent outwards and resulted in pointed edges. The pointed edges were accessible to the Horses and could cause an injury to the Horses. This affected 4 Horses.

The indoor and outdoor housing facilities shall be structurally sound and shall be maintained in good repair to protect the animals from injury.

The Registrant needs to address the structural items identified in these areas for the health and well-being of the animals and to maintain the facilities in good repair.

Correct items 3 through 6 by 6/13/10.

3.125 (c)

FACILITIES, GENERAL

Item Facilities General 3.125 c

Supplies of food and bedding shall be stored in facilities which adequately protect such supplies against deterioration, molding, or contamination.

1. There was an opened plastic bag of flavored pellet treats for the ferrets in TRL-1030.

The storage of opened food supplies in this manner can result in contamination or deterioration of the nutritive value of the opened food supplies.

2. There were 3 bags of grain located directly on the floor of Unit II Barn. The storage of bags of grain in this manner does not allow for cleaning underneath the feed supplies or protect them from spoilage.

Food supplies should be stored in a manner that adequately protects against deterioration, molding, or contamination.

Registrant corrected both items during the inspection by: (1) placing the opened bag of treats into a covered

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container and (2) placing the 3 bags of grain on a pallet up and off the floor.
The above items affected 24 animals

3.130

WATERING.

Item Watering 3.130

All water receptacles shall be kept clean and sanitary.

Both bowls of the automatic waterer in the Annex II pen were dirty and had a large amount of algae growing in the water.

Water receptacles should be kept clean and sanitary to provide the animals with access to potable water. The bowls of the automatic waterer need to be cleaned on a regular basis for the health and well-being of the Horses. Registrant corrected this item by cleaning the automatic waterer during the inspection. This affected 4 Horses..

3.131 (a)

SANITATION.

Item Sanitation 3.131 a

Excreta shall be removed from primary enclosures as often as necessary to prevent contamination of the animals contained therein and to minimize disease hazards and to reduce odors

1. Nutr Barn West: The routine husbandry practice for this barn is to remove the manure from the 2 stalls daily.

There are only 2 Horses housed in this barn. There was an excessive build up of manure noted in each of the stalls. Personnel confirmed that the stalls had not been cleaned in several days. This affected 2 Horses.

2. Unit II Barn: There are 2 pens in the Heifer barn separated by a central aisle where the feed for the Heifers is placed. The pens have a concrete floor and straw bedding is only used on the half of each pen next to the wall. The other half of each pen next to the central aisle is where the animals must stand in order to eat the feed. There was an excessive accumulation of manure and urine noted on the concrete floor in each pen next to the central aisle. The Heifers had to walk through and stand in manure/urine mixture in order to access the feed. This affected 20 Heifers.

Excreta should be removed as often as necessary from primary enclosures to prevent contamination of the animals, minimize disease hazards, and to reduce odors. The frequency of cleaning of primary enclosures should be increased for the health and well-being of the animals.

Correct from this date forward.

Inspection took place from 5/10-13/10 by VMOs Paula Gladue and John Lopinto

An exit briefing took place with the registrant.

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Site: 001

SCHOOL OF MED/VET-NEW BOLTON

OFFICE OF THE VICE PROVOST FOR
118 COLLEGE HALL, MAIL CODE 6303

Type: ROUTINE INSPECTION

Date: May-06-2009

PHILADELPHIA, PA 19104

2.31 (e) (3)

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

A proposal to conduct an activity involving animals must contain a complete description of the proposed use of the animals.

Protocol number #801119 includes the induction of an ARDS animal model, which then undergoes a series of MRI imaging studies, followed by euthanasia while under anesthesia. Although this is a terminal procedure, a section is included that describes possible clinical signs of pain/ distress that may result from the ARDS induction in an awake animal. Protocols need to contain a complete and clear description of the proposed animal use.

Correct by 5/15/09

2.33 (b) (4)

ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

Each research facility shall maintain a program of adequate veterinary care that includes guidance to principal investigators and other personnel involved in the care and handling, immobilization, anesthesia, analgesia, tranquilization and euthanasia.

1) At the time of inspection surgical records for protocol 801415 were reviewed. The records show on 9/2/08 and 9/4/08 heart rates on 2 animals continued to climb in rate while the gas anesthesia levels were reduced. The animals were also on Nembutal IV at this time. The protocol also includes the use of a paralytic which the records show the animal did receive. The facility needs to insure that proper veterinary care is provided to all animals and all personnel are trained in proper anesthesia.

2) JM Rm 338: A non survival surgery involving a head implant with dental acrylic was observed. At the time of inspection one of the animals had the acrylic running down over his eye. It appears the acrylic was watery in composition. Facility needs to insure technicians are familiar with the material they are using.

Correct by 5/30/09

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May-07-2009

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Inspection Report

2.33 (b) **REPEAT**

ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

Each research facility shall maintain a program of adequate veterinary care.

REPEAT

The following outdated medications were identified during the inspection:

- 1) NBC main pharmacy: 4 boxes of Morphine exp 1 May 2009, 1 bottle Antisedan exp Jan 09, 2 bottles Flumazenil exp 4/09
- 2) CMK facility: 3 bottles of lidocaine exp 4/09
- 3) STEM: 1 box of fentanyl patches (25 mcg/hr), exp 4/2009
- 4) AC Rm 264: 2 bags of lactated ringers one exp Aug 02 and the other exp Mar 09

Outdated drugs are not part of proper veterinary care

NEW

1) BRB facility: At the time of inspection it was noticed one canine, ID# cwhazg, had an interdigital cyst on each of the front paws.

Facility developed a course of treatment at time of inspection.

Corrected at time of inspection

2) VHUP OVQ Surgery Rm: At the time of inspection 3 syringes were found labeled only as flush no expiration date It was latter discovered that they had been drawn up for a surgery that had been canceled. The syringes were discarded.

Corrected at time of inspection.

3) GRL facility: At the time of inspection drugs were found in the same refrigerator as fixed tissue samples. Medicines need to be separate and kept free from other potential hazards.

Correct by 5/10/09.

3.8

EXERCISE FOR DOGS.

Dealers, exhibitors and research facilities must develop, document, and follow an appropriate plan to provide dogs with the opportunity for exercise.

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At the time of inspection the facility had 2 dogs that were housed separately. The facility's plan for for single housed dogs indicates human interaction for not less than 10 minutes. Time, date and all forms of enrichment should be recorded on the exercise and enrichment log sheet. In reviewing the log sheet there is no documentation that the animal are receiving the required 10 minute human contact. Facility needs to insure that the required human interaction time is documented.

Correct by 5/15/09

3.11

CLEANING, SANITIZATION, HOUSEKEEPING, AND PEST CONTROL.

Premises shall be kept clean and in good repair to facilitate good husbandry practices.

- 1) VHUP OVQ Rm 286 ceiling the air vent had an accumulation of dirt and needs to be cleaned.
- 2) VHUP Rm 2115 the ceiling is cracked by the air vent and needs to be repaired.
- 3) VHUP the dirty side of the cage washer room shows a cracked and chipped concrete cinder block wall by the door.
- 4) VHUP Rm 2130 has overhead water pipes with an accumulation of dust over animal runs.
- 5) VHUP Rm 4117 there is a metal cabinet in the food prep area that is beginning to rust and corrode on the inside door. Rm 4115 also has a metal sink cabinet that is also showing signs of rust.
- 6) VHUP The refrigerator in Rm 269E had spilled liquid that needs to be cleaned.
- 7) GRL The ceiling in the clean side of the cage washer has an area around an exhaust pipe that is peeling and needs to be repaired.
- 8) STEM A drain on the dirty side of the cage washer in STEM has a severely corroded cover. The damage has spread to the area surrounding the drain, exposing the concrete underneath.

Animal facilities must be kept in good repair to facilitate prescribed husbandry practices. These items need to be addressed by the facility.

Correct by 7/1/09

3.125

FACILITIES, GENERAL.

The indoor housing facilities shall be structurally sound and shall be maintained in good repair to protect the animals from injury and to contain the animals.

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An open cage door was noted in the GRL Quarantine Room A219, which housed one pig. Enclosure doors need to be properly secured to contain the animals within to ensure their health and well-being.

The item was corrected at the time of inspection.

3.126 (d)

FACILITIES, INDOOR.

Drainage. A suitable sanitary method shall be provided to eliminate rapidly, excess water from indoor housing facilities. If drains are used, they shall be properly constructed and kept in good repair to avoid foul odors and installed so as to prevent any backup of sewage.

An excessive accumulation of urine, feces, and food were noted in the GRL Room A206. The floor slopes away from the drain, creating a pooling of the excretions and debris in the corners of the room. This issue needs to be addressed to ensure proper drainage in the room.

Correct by: 7/1/09

NOTE this was a full facility inspection conducted by Drs. Nadira Williams and John Lopinto from 5/4/09 through 5/7/09 with the exit interview on 5/7/09

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