



INSPECTION REPORT

EMORY UNIVERSITY

Customer ID: 898

Certificate: 57-R-0003

Site: 002

EMORY UNIVERSITY

WOODRUFF HEALTH SCIENCES CTR
1440 CLIFTON ROAD NE
ATLANTA, GA 30322

Inspection
Type: ROUTINE INSPECTION
Date: JAN-11-2005

3.75 (a)

3.75 (f)

HOUSING FACILITIES, GENERAL

(a) Structure: construction. 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.

***The exterior compound wall of S-4 is deteriorating. This is most notable along the second support beam to the left of the observation tower where there is a small gap in the solid metal sheeting and a hole in the chain link. Excessive swaying of this wall was observed when the animals jumped on it. The holes in the wall must be repaired and the structural integrity of the wall re-evaluated to prevent animal injury or escape. Correct by: 21 Jan 05.

***The access door of S1 as observed from the building interior is secured along the upper right side by one bolt resulting in a loose hinge. The access door of S2 is loose and missing two bolts along the lower right hinge portion. Both these hinges are excessively rusted. The access door of A3 is loose, preventing the door from closing normally. A loose or malfunctioning access door may result in animal or human injury. Correct by: 14 Jan 05.

***There is a broken metal mirror that is becoming detached from its base along the outside compound wall between T4 and T3. Debris falling into animal enclosures may result in animal injury and this item must be repaired or removed. Correct by: 14 Jan 05.

***The ceiling of the interior of T3 is peeling and separating along the pitch of the building. Ceilings and interior walls must be maintained to allow proper cleaning and sanitization of surfaces. Correct by: 30 Apr 05.

***Several outdoor compound walls are rusting along sections of the solid metal sheeting material. Although the surface area of the rust areas is small, deterioration of this material by pitting or perforation creates an avenue for animal escape. The structural integrity of this material must be re-assessed and proper adjustments made. Correct by: 30 Jan 05.

***The roof of D1/D2 is in need of repair. The shingles have shifted and buckled, exposing the underlying wood material. Buildings must be maintained to prevent animal escape or injury. Correct by: 30 Apr 05.

Prepared By:

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Date:

JAN-12-2005

Title:

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

Received By:

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INSPECTION REPORT

***There is an established raccoon latrine in the area below the observation tower for 55 and 57. This inhibits maintenance of sanitary conditions for animals and staff. Facilities, including surrounding grounds, must be maintained to eliminate living areas for pests. Correct by: 21 Jan 05.

(d) Pest control. An effective program for control of insects, external parasites affecting nonhuman primates, and birds and mammals that are pests, must be established and maintained so as to promote the health and well-being of the animals and reduce contamination by pests in animal areas.

***Numerous roaches are observed on the indoor portion of M3 and M1. Dead roaches have accumulated inside the ceiling light fixture housings. Effective pest control must be established and maintained. Correct by: 01 Mar 05.

COMPLETE INSPECTION OF YERKES FIELD STATION CONDUCTED 11-12 JAN 2005.

Prepared By: *Amy Bartholomew*
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INSPECTION REPORT

***On the inside of M5 directly above run #4, PVC pipe housing air conduit has become detached from a wall bracket. This has displaced the protective PVC cover causing the air conduits to be exposed. An animal can reach the air conduit hoses and pull them into the primary enclosure, which can result in injury. This must be repaired to prevent animal access to the air conduit. Correct by: 14 Jan 05.

(f) Drainage and waste disposal. ...Housing facilities must be equipped with disposal facilities and drainage systems that are constructed and operated so that animal wastes and water are rapidly eliminated and the animals stay dry.

***The drains in the outdoor compounds T3 and T4 are clogged with food debris, cardboard, and enrichment devices. Drains must be maintained to allow elimination of water and waste. Correct by: 14 Jan 05.

3.77 (c)

SHELTERED HOUSING FACILITIES.

(c) Lighting. ...Lighting must be uniformly diffused throughout animal facilities and provide sufficient illumination to aid in maintaining good housekeeping practices, adequate cleaning, adequate inspection of animals, and for the well-being of the animals.

***The 2 banks of lights out at the end of the interior portion of M5. Lighting in animal areas must be uniformly diffused to promote proper husbandry practices. Correct by: 14 Jan 05.

3.80 (a) (2) (iii)

PRIMARY ENCLOSURES.

(a) General requirements.

(2) Primary enclosures must be constructed and maintained so that they:

(iii) Contain the nonhuman primates securely and prevent accidental opening of the enclosure, including opening by the animal.

***Run 2D on the interior portion of BC-2 is missing several rivets in the support structure that secures the primary enclosure chain link. This has resulted the chain link to become loose along both the upper and lower portion which may result in animal injury by entrapment or animal escape. This item was corrected at the time of inspection.

3.84 (c)

3.84 (d)

CLEANING, SANITIZATION, HOUSEKEEPING, AND PEST CONTROL.

(c) Housekeeping for premises. Premises where housing facilities are located, including buildings and surrounding grounds, must be kept clean and in good repair in order to protect the nonhuman primates from injury, to facilitate the husbandry practices required in this subpart, and to reduce or eliminate breeding and living areas for rodents, pests, and vermin.

Prepared By:

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JAN-12-2005

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INSPECTION REPORT

2.131 (a)

DIRECT

HANDLING OF ANIMALS.

(b) (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.

***Personnel conducting studies in NS lab 2248 were observed utilizing inappropriate restraint methods. Two Rhesus macaques were chaired for a series of blood collections. The forearms/hands and lower legs/feet of each animal were secured to the frame of the chair with duct tape. There was no padding/protective layer under the tape and the fingers and toes could not be visualized. This results in animal discomfort, inability to monitor distal limbs for vascular compromise, and limited ability to quickly and safely release the animal. Personnel using animals to conduct studies must be aware of methods to minimize distress and utilize them unless scientifically justified and approved by IACUC. To be corrected from this day forward.

3.75 (a)

3.75 (c) (2)

HOUSING FACILITIES, GENERAL.

(a) Structure: construction. 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.

***ED room 105 left upper middle rack has water leaking from the watering system hose above the rack. V153 left upper middle rack was a hole in the watering system hose attached to it just below the "T" joint. Watering hoses must be maintained to ensure that adequate water systems provided for the animals. Corrections began at time of inspection. Correct by: 17 Jun 05.

***RC03 PVC water line behind the racks along the right wall had become detached from the wall support along the middle of the pipe. This has caused the pipe to sag close to the floor, placing undue stress on the pipe. The pipe must be secured in a manner that prevents failure to ensure adequate water supply is maintained in the primary enclosures. Correct by: 17 Jun 05.

(c) Surfaces

(2) Maintenance and replacement of surfaces. All surfaces must be maintained on a regular basis. Surfaces of housing facilities -- including houses, dens, and other furniture-type fixtures and objects within the facility -- that cannot be readily cleaned and sanitized, must be replaced when worn or soiled.

***There is a chair in NS lab area 3225 that is in disrepair. The foam seat cushion is exposed preventing proper cleaning and sanitation of this surface. Surfaces in animal areas must be able to be readily cleaned or replaced when worn/soiled. Correct by: 24 Jun 05.

***Small Primate Wing room 243B has multiple areas of peeling paint on the ceiling that inhibit proper cleaning and sanitization of this surface. Correct by: 15 Jul 05.

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JUN-14-2005

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Received By:

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Date: 16

JUN-16-2005

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***Stonehard flooring in rooms D128, D127, D126, RB12 are cracked and peeling in the areas near the walls. This problem is also noted in the interior portion of Great Ape Wing near the primary enclosures. Roaches were noted in/under the cracked flooring. Flooring must be maintained to allow proper husbandry practices and to facilitate pest control measures. Correct by: 01 Sep 05.

***ED 106 (veterinary treatment area) has evidence of water leaks along the rear wall. This area has been previously sealed, however, streaks of white debris are noted on the floor coving. Additionally, there is a pool of water along the rear wall. The condition of the wall prevents the treatment area from being maintained in a clean manner. This area must be re-evaluated by 22 Jul 05.

3.84 (c)

3.84 (d) REPEAT NCI

CLEANING, SANITIZATION, HOUSEKEEPING, AND PEST CONTROL.

(c) Housekeeping for premises. Premises where housing facilities are located, including buildings and surrounding grounds, must be kept clean and in good repair in order to protect the nonhuman primates from injury, to facilitate the husbandry practices required in this subpart, and to reduce or eliminate breeding and living areas for rodents, pests, and vermin.

***NS lab 3219 has a soiled absorbent pad that was left in the testing area. No recent testing had been performed in this area. Laboratories shall be maintained in a clean, sanitary manner to facilitate pest ongoing control measures. Correct by: 17 Jun 05.

***There is a bag of trash outside of the trash receptacle on the floor of RB12. This room is currently unoccupied but is directly adjacent to animal housing areas. Open bags of trash and trash not placed in proper receptacles serve as attractants for pests. Trash must be appropriately stored/removed to facilitate ongoing pest control measures. The bag was removed at the time of inspection. To be corrected from this day forward.

***NS 1224A and 1224B: There are dirty items stored on both the clean and dirty sides of the cagewash. Clean items must be stored separately from dirty items to prevent cross-contamination or inadvertent use of a dirty item. Correct by: 17 Jun 05.

***There are dirty cages and racks stored in the hallway outside D122 (treatment area). Dirty racks should be placed in a designated "dirty" area to prevent cross-contamination. Correct by: 24 Jun 05.

***NS laboratory adjacent to MRI facility: Animal pharmaceutical products and carcasses are stored in the same refrigerator/freezer unit. Carcasses must be kept in a separate location from drugs and animal food to minimize risk of contamination. Numerous laboratory chemicals are co-mingled with pharmacy items and stored in the cabinets to the left of the refrigerator including a glass bottle labeled "polycarbonate cement methylene chloride, flammable carcinogen". Such hazardous items pose risk of contaminating the drug storage area and are a threat to animals and humans working in the immediate area. These items must be stored in a designated area separate from animal pharmacy or food items. Correct by: 24 Jun 05.

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JUN-14-2005

Title: VETERINARY MEDICAL OFFICER, Inspector ID: 1051

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Date: 16
JUN-15-2005

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JUL 11 2005

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INSPECTION REPORT

EMORY UNIVERSITY

Customer ID: 896
Certificate: 57-R-0003

**WOODRUFF HEALTH SCIENCES CTR
1440 CLIFTON ROAD NE
ATLANTA, GA 30322**

Site: 004
EMORY UNIVERSITY

Inspection
Type: ROUTINE INSPECTION
Date: JUN-14-2005

**2.32 (c) DIRECT
PERSONNEL QUALIFICATIONS.**

- c) Training and instruction of personnel must include guidance in at least the following areas:
 - (1) Humane methods of animal maintenance and experimentation, including:
 - (ii) Proper handling and care for the various species of animals used by the facility
 - (2) The concept, availability, and use of research or testing methods that limit the use of animals or minimize animal distress

***Personnel conducting studies in NS lab 2248 were observed utilizing inappropriate restraint methods. Two Rhesus macaques were chaired for a series of blood collections. The forearms/hands and lower legs/feet of each animal were secured to the frame of the chair with duct tape. There was no padding/protective layer under the tape and the fingers and toes could not be visualized. This results in animal discomfort, inability to monitor distal limbs for vascular compromise, and limited ability to quickly and safely release the animal. Questioning of the involved individuals indicates poor understanding of humane methods of animal experimentation. Personnel using animals to conduct studies must be aware of methods to minimize distress and utilize them unless scientifically justified and approved by IACUC. Correct by: 01 Jul 05.

**2.33 (b) (2)
ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.**

- (b) Each research facility shall establish and maintain programs of adequate veterinary care that include:
 - (2) The use of appropriate methods to prevent, control, diagnose, and treat diseases and injuries

***Multiple expired drug products in NS lab 3282 (saline), pharmacy 2265 (propofol and diazepam), lab 1273 (neostigmine, Magnevist, heparin, Dexon suture) and in Small Primate Wing: crash cart outside 279/280 (heplock, doxapram, furosemide, diphenhydramine), lab 279 (phenylephrine eye drops, eye lubricant). Lab 3282 had made notation on drug bottle of date product was opened. The product was opened after the expiration date. Pharmaceutical products used on regulated species must be within date to ensure safety and efficacy consistent with the product's labeling. All expired items were discarded at time of inspection. To be corrected from this day forward.

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INSPECTION REPORT

(d) Pest control. An effective program for control of insects, external parasites affecting nonhuman primates, and birds and mammals that are pests, must be established and maintained so as to promote the health and well-being of the animals and reduce contamination by pests in animal areas.

***The pest control program has made tremendous improvement in most areas of the facility, however, increased emphasis is required in several rooms with continued pest control issues including: Small Primate Wing 253 (roaches in light fixtures), lab RC08 and RC09 (dead roaches on floor), CF feed room (roaches, rodent droppings, small holes in foam seal around door allowing pest access), RA08 (live roaches on walls), RA08 (black sewer flies), area outside animal rooms in RA (black sewer flies), and interior portion of Great Ape Wing (roaches in cracked/peeling flooring).

Reviewed:

- 1.) Animal weight logs
- 2.) Care wash logs

(b)(4)

- 4.) Appendix E associated with (b)(4) (chair training)

Discussed:

- 1.) Consideration of alternative techniques to minimize distress related to (b)(4)
- 2.) Clarification of pharmacokinetic study reported to be conducted under (b)(4)

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JUN-14-2005

Date: /6

JUN-18-2005

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INSPECTION REPORT

EMORY UNIVERSITY

Customer ID: 898

Certificate: 57-R-0003

Site: 004

EMORY UNIVERSITY

WOODRUFF HEALTH SCIENCES CTR
1440 CLIFTON ROAD NE
ATLANTA, GA 30322

Inspection
Type: ROUTINE INSPECTION
Date: SEP-30-2005

2.33 (b) (2)

ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.

- (b) Each research facility shall establish and maintain programs of adequate veterinary care that include:
 - (2) The use of appropriate methods to prevent, control, diagnose, and treat diseases and injuries

***Two NB laboratories are improperly storing drugs. There is an unlabeled, uncapped syringe with a substance in it in a refrigerator in the MRI drug storage area. An uncapped bottle of proparacaine was also noted in this area. These items were discarded at the time of inspection. In lab 2248, no active research was observed, but drug bottles were stored with needles remaining in them. Because these storage methods facilitate bacterial contamination of drugs, proper storage practices must be followed. To be corrected from this day forward.

3.76 (c) (2)

HOUSING FACILITIES, GENERAL.

- (c) Surfaces

(2) Maintenance and replacement of surfaces. All surfaces must be maintained on a regular basis. Surfaces of housing facilities -- including houses, dens, and other furniture-type fixtures and objects within the facility -- that cannot be readily cleaned and sanitized, must be replaced when worn or soiled.

***ED 106 (veterinary treatment area) previously had a water leak along the rear wall. The paneling on the wall and foam interface has been removed and area has been re-sealed. The paneling has not been replaced and the remaining surface is painted cinder block. The paint is irregular and peeling off leaving areas of exposed cinder block that are porous. The paint is bubbled in areas resulting in air pockets that can trap bacteria. Additionally, there is residual foam material that flakes off when touched. This surface must be returned to a state that allows it to be properly cleaned and sanitized. Correct by: 01 Nov 05.

3.84 (d)

REPEAT NCI

CLEANING, SANITIZATION, HOUSEKEEPING, AND PEST CONTROL.

- (d) Pest control. An effective program for control of insects, external parasites affecting nonhuman primates, and birds and mammals that are pests, must be established and maintained so as to promote the health and well-being of the animals and reduce contamination by pests in animal areas.

***The pest control program continues to improve in all areas inspected, however, there continues to be pest control issues in the RA building. Live roaches were observed in RA 04 and RA 05 and black sewer flies were observed in RA 04, 05, and 07. Monitoring and increased emphasis in previously identified problem areas is to continue.

Prepared By: *Gregory S. Hartman, DVM*

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SEP-30-2005

Received By: [Redacted]

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Date:
SEP-30-2005



INSPECTION REPORT

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FOCUSED INSPECTION AT YERKES MAIN STATION

Previously cited non-compliant items not cited in this report have been corrected

Reviewed:

- 1.) Position description for Training and Compliance Program Manager being implemented to address employee training.
- 2.) Responses to Handling of Animals and Personnel Qualifications issues raised on 14-Jun-05 inspection.

Prepared By: *[Signature]*

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

Date:

SEP-30-2005

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SEP-30-2005