



## Inspection Report

PRINCETON UNIVERSITY

Customer ID: 176

Certificate: 22-R-0022

Site: 001

Princeton University

P O BOX 36

Type: ROUTINE INSPECTION

PRINCETON, NJ 08544

Date: Apr-27-2011

**2.31 (e) (3) REPEAT**

**INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).**

(e) A proposal to conduct an activity involving animals, or to make a significant change in an ongoing activity involving animals, must contain the following: A complete description of the proposed use of the animals

Water restriction protocols for non human primates describe the methods in which minimum water requirements are calculated, as well as the activities involved with restricting water. While restriction activities are mentioned, the protocol does not address the water restriction schedule for weekends or holidays. A complete description of these details are necessary to ensure that water is restricted in a manner that will maintain the animals in a healthy condition. The IACUC must ensure that the principal investigator includes in his proposals a complete description of scheduling.

**2.33 (b) (3) DIRECT NCI**

**ATTENDING VETERINARIAN AND ADEQUATE VETERINARY CARE.**

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;

A review of records for a NHP show that the marmoset was pregnant. Ultrasound records indicate a normal fetal heartbeat on 3/17/11, and observations documented by laboratory staff the following day stated that she looked ready to give birth, noting her crouching in her nest box and not moving. These and other signals and behaviors exhibited by the marmoset should have indicated to the staff that she was in distress and in need of veterinary medical care. Records indicate that the animal was not provided veterinary medical care and further review of records indicated that the attending veterinarian was not informed of the marmosets condition. Communication is necessary between

**Prepared By:**

KERI LUPO, D V M USDA, APHIS, Animal Care

**Date:**

**Title:** VETERINARY MEDICAL OFFICER Inspector 6023

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personnel and the veterinarian in order to provide appropriate veterinary care to the animals at this institution. The institution must review processes in the program of veterinary care to ensure that all animals receive veterinary care. This is accomplished through timely and frequent communications between all staff and the attending veterinarian. This programmatic deficiency must be corrected by May 29, 2011.

### 2.36 (b) (7)

#### ANNUAL REPORT.

State the common names and the numbers of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used shall be attached to the annual report

The review of water restriction protocols and associated animal records showed a possible pattern of depriving non human primates of water for a period of greater than 24 hours. The animals that were deprived of water during this period were not maintained according to the investigators protocol. The prolonged period of time with the absence of fluids caused increase distress, altering the pain and/or distress category for these animals in this study. It is the institutions responsibility to determine the length of time this issue existed and to resubmit revised annual reports categorizing these animals in category E. The institution has taken steps to resolve this issue and prevent re-occurrence. The institution must be in compliance by July 29, 2011

### 3.83

#### WATERING.

Potable water must be provided in sufficient quantity to every nonhuman primate housed at the facility. If potable water is not continually available to the nonhuman primates, it must be offered to them as often as necessary to ensure their health and well-being, but no less than twice daily for at least 1 hour each time, unless otherwise required by the attending veterinarian, or as required by the research proposal approved by the Committee at research facilities.

Records for two NHP associated with Protocol 1816 indicate that water was removed on the morning of 1/30/11 and was not offered again until 3pm on 1/31/11. After review of water restriction protocols and associated animal records, it was determined that this had been normal routine for water to be removed on Sunday mornings and not be offered again until the animal was used on study the following day. This resulted in a time period of water restriction greater than a 24 hr period. Deprivation of water could be detrimental and negatively impact the animals health. This issue was investigated and addressed by the IACUC. Plans for correction and future prevention of this problem included a revision of the water scheduling system as well as the clarification of the water removal schedule.

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This inspection was conducted on April 27, April 28, and April 29, 2011.

An exit interview was conducted with the facility representatives on April 29, 2011.

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