

Northern Arizona University Institutional Animal Care and Use Committee (IACUC)
Semiannual Report to the Institutional Official (IO)

March 31, 2021

Dr. David M. Faguy
Institutional Official
Assistant Vice President, Office of Research Compliance
Northern Arizona University
PO Box 4137
Flagstaff, Arizona 86011-4137

Dear Dr. Faguy,

Enclosed is the latest semiannual report of the Institutional Animal Care and Use Committee. This report is required by Public Health Service (PHS) Policy on Humane Care and Use of Laboratory Animals and as a condition of Northern Arizona University's (NAU) Animal Welfare Assurance on file with the Office of Laboratory Animal Welfare (OLAW) and the United States Department of Agriculture (USDA) Animal Welfare Regulations, 9 CFR Chapter I, subchapter A, as applicable.

This report covers the period from April 13, 2020 through October 12, 2020.

Inspection of Animal Facilities:

The IACUC performed inspections of animal use and holding areas between September 16, 2020 and September 18, 2020. These inspections were performed using the Guide for the Care and Use of Laboratory Animals 8th edition and, where applicable, 9 CFR Chapter I, 2.31 as the basis for evaluation. As per USDA/NIH guidelines, deficiencies are categorized as major or minor. Major deficiencies are defined those that pose an immediate, significant threat to animal health or safety. Minor deficiencies are less immediate and less serious but require attention to comply with federal regulations. As per regulations, dates by which deficiencies must be resolved are included.

No MAJOR deficiencies identified during the facility inspections.

The following MINOR deficiencies identified during the facility inspections:

- A. [REDACTED] Animal Use Area ([REDACTED])
- Dead bullfrogs in freezer, wrapped in paper towels and one just also unwrapped on shelf (This not cleaned up since last inspection). Items are moldy.
 - There is an unlabeled container in flammable cabinet.

Deadline for Corrections: December 18, 2020

B. [REDACTED] Animal Use Area ([REDACTED])

- Food storage refrigerator (silver) needs to be cleaned inside and out.
- Items in white refrigerator need to be labelled. Bucket of insect parts on counter.
Bottle of hornworm food not labeled.

Deadline for Corrections: December 18, 2020

Also noted in this room: Soap bottle needs a label and clean lab dissection tray prior to next use.

C. [REDACTED] ([REDACTED] ACM)

- Water test strips old, though not expired, but should be replaced.
- Expired ammonia test strips.
- Deficiencies corrected.

D. [REDACTED] (Animal Holding, [REDACTED])

- Could not find some SOPs, centralized?
- Unplugged power cord on floor

Deadline for corrections: December 15, 2020

All deficiencies corrected.

E. [REDACTED] Refrigerator/Freezer (all users)

- No protocol numbers on diet ([REDACTED])
- Unlabeled cadavers

Deadline for corrections: December 15, 2020

All deficiencies corrected.

The following observations and comments were noted as acceptable by inspectors:

[REDACTED]

No deficiencies.

[REDACTED] (Zebrafish Room)

Recommend baking soda for odor in freezer.

Close hole in ceiling with cap.

Sweep under shelving units.

Algae growth observed is within acceptable limits per PI (no animals in tanks)

No deficiencies.

[REDACTED] (Rodent Room)

Disinfection log on door in use?

Sweep under shelving unit.

No deficiencies.

(ABSL2)

Replace boundary tape at entrance.

Labels on spray bottles difficult to read.

No deficiencies.

(vacant)

Floor cracks near drain and stained floor; need to repair and repaint prior to housing animals.

No deficiencies.

 (Arctic Fish Room)

Clean food residue off tanks and workstation

Clean food freezer and recommend containers for food storage.

Have paper towels and cleaning supplies ready for use.

Label food jars and medicine; include expiration dates.

No deficiencies.

██████████ (Animal Use Area, ██████████)

Controlled substance box ok.

No deficiencies.

Animal Holding Facility

Freezer has unlabeled carcasses and Ziplocs. Who is responsible for laboratory cleaning?

██████ Could clean inside of supply cabinet and above cages. Adjust light timer for main room light as per SOP.

No deficiencies.

(Animal Holding Area)

Notes from inspectors: Label items inside of the mouse toss fridge.

No deficiencies.

██████████ (Animal Use Area, ██████████)

Notes from inspectors: Tidy up surgery area; topical ointment appears expired; clean iso chamber and replace cotton.

No deficiencies.

ACL Animal Holding Facility

Suggestions include dating cleaning supplies; storing food 6" from wall; two sets of mill dates on sunflower seeds.

No deficiencies.

ACL Animal Holding Facility (

No deficiencies.

Animal Care and Use Program Review:

The IACUC conducted its semiannual review of the institution's Animal Care and Use Program on October 5, 2020 using the Guide for the Care and Use of Laboratory animals and, where applicable, 9 CFR Chapter I, 2.31 as basis for evaluation.

The NAU IACUC used the Office of Laboratory Animal Welfare (OLAW) checklist for semiannual program review. The use of the OLAW checklist was recommended by The Association for the Assessment and Accreditation of Laboratory Animal Care International (AAALAC) site visitors and the USDA Veterinary Medical Officer (VMO). This checklist will be used for all future semiannual program reviews. The NAU Policy and Procedure Manual (PPM) and AAALAC Program Description are maintained as comprehensive bodies of programmatic information.

No MAJOR deficiencies identified during this program review.

The IACUC identified one minor deficiency during the program review:

NAU IACUC needs a non-lab member (*Guide*, [p 24](#))ⁱ.

Deficiency corrected December 2020 with the addition of an affiliated, non-lab member.

Minority Views

No minority views expressed regarding this semiannual report.

Signatures

IACUC Members

Kimberley Cohen, Attending Veterinarian

[REDACTED]

[REDACTED]

Tad Theimer, Scientist, Chairperson

[REDACTED]

Signatures

[REDACTED]

[REDACTED]

[REDACTED]

*GSR is the graduate student representative.

ⁱ Part 2 Subpart C - Research Facilities

- 2.31(b)(2) - “The Committee shall be composed of a Chairman and at least two additional members;... at least one shall not be affiliated in any way with the facility...such person will provide representation for general community interests in the proper care and treatment of animals.” [PHS policy requires 5 members]