

Memorandum to: John E. Baur, Associate Vice President for Research
From: Institutional Animal Care and Use Committee
Subject: Semiannual Report of the Program Review and Facility Inspection
Date: October 15, 2019

This report summarizes the IACUC's results of its most recent program review and facility inspection, as required by the Public Health Service (PHS) Policy on Humane Care and Use of Laboratory Animals (Policy), Section IV.B.1.-3., the *Guide for the Care and Use of Laboratory Animals (Guide)*, and the Animal Welfare Act (AWA) regulations, as applicable. Submission of semiannual reports to the Institutional Official is a condition of this institution's Animal Welfare Assurance with the NIH Office of Laboratory Animal Welfare (OLAW).

Since the last review, the following changes have occurred in the institution's program for animal care and use (PHS Policy IV.A.1.a.-i.): [optional]

Revised IACUC SOP: Care and Use of Laboratory Animals
Revised IACUC SOP: Reporting of Adverse Events for Laboratory, Field, or Canine Research
Revised IACUC SOP: Establishment of breeding colony of *O. pumilio*

I. Description of the Nature and Extent of the Institution's Adherence to the PHS Policy, the *Guide*, and the AWA

Departures from the PHS Policy, the *Guide*, and the AWA.

Select A or B:

- ☐ A. There were no departures during this reporting period.
☒ B. The following departures have been reviewed and approved by the IACUC: *[include reason for each departure]*

- 1) Four studies are approved for the use of non-pharmaceutical grade compounds. In two situations, no USP/FDA approved equivalent was available. One approval is for an ongoing study where the exception was justified. The fourth study was approved for the NPG because the pharmaceutical grade included a compound that would interfere with the study's objective.
- 2) The use of thoracic compression as a method of euthanasia was approved for wild birds in the field for two researchers. Thoracic compression was removed from the list of acceptable methods of euthanasia partially because it can cause distress to the animal if not performed correctly. The researchers have over 30 years of experience in the field with this method and the IACUC was confident that there would be no additional distress to these animals.

II. Deficiencies in the Institution's Animal Care and Use Program

Animal Care and Use Program Review Date(s): October 1, 2019

Select A or B:

- ☒ A. There were no deficiencies in the program during this reporting period.
- ☐ B. The following deficiencies have been identified: *[describe each deficiency, identify each deficiency as either minor or significant, and provide a reasonable and specific plan and schedule for the correction of each deficiency, deficiencies may be recorded on a separate table and attached, the last page of OLAW's Sample Semiannual Program Review and Facility Inspection Checklist provides a sample table]*

III. Deficiencies in the Institution's Animal Facility

Animal Facility Inspection Date(s): 4/29/2019, 5/21/2019, 6/10/2019, 8/22/2019, 9/10/2019, 9/19/2019

Select A or B:

- ☐ A. There were no deficiencies in the animal facility during this reporting period.
- ☒ B. The following deficiencies have been identified: *[describe each deficiency, identify each deficiency as either minor or significant, and provide a reasonable and specific plan and schedule for the correction of each deficiency, deficiencies may be recorded on a separate table and attached, the last page of OLAW's Sample Semiannual Program Review and Facility Inspection Checklist provides a sample table]*

The inspection conducted on 9/10/2019 identified two minor deficiencies. The first deficiency noted was for outdated emergency contact sheets in several farm locations. The correction plan was for the farm staff to post the updated emergency contact sheet by 10/23/2019. This was done on October 2, 2019 per the farm manager. During walk through on 10/9/2019 the old contact sheet was still posted in the swine office. This was removed and replaced at that time.

The second deficiency was hospital pen documentation being absent for 2 animals in the hospital pens. The correction plan is to have the ISU Farm responsible for revising the beef, sheep, and swine SOPs to reflect the required IACUC documentation for daily observations by full-time farm employees, twice daily observation of swine in isolation/hospital pens by full-time employees and the use of the AV-provided clinical observation sheets for those swine. The revised SOPs must be approved by the IACUC on or before the Dec. 5, 2019 IACUC meeting.

Additionally, by October 9, 2019, clinical documentation sheets were required to be present at or near each isolation/hospital pen and must be appropriately completed on each animal held in these pens thereafter. The AV and the IACUC will be monitoring the use in the pens at regular intervals subsequent to their posting. On 10/9/2019 the Farm Manager indicated that he had posted the clinical documentation sheet for the east wing for the only animal with health concerns at the farm.

IV. Minority Views

Select A or B:

- ☒ A. No minority views were submitted or expressed.
- ☐ B. The following minority views were expressed: *[insert minority views here or attach]*

V. Signatures [signatures of a majority of the IACUC members required by AWAR (§2.31,c,3), if applicable]

Names of IACUC Members	Signatures
Paul A. Garis	
Barb Meyrood	
Joseph M. Casto	
BYRON HEIDENREICH	
Justin Rickard	