From:	Institutional Animal Care and Use Committee	
Subject:	Semiannual Report of the Program Review and Facility Inspection	
Date:	September 18, 2020	
as required by the Pu (<u>Policy</u>), Section <u>IV.E</u>	zes the IACUC's results of its most recent program review and facility inspection, ublic Health Service (PHS) Policy on Humane Care and Use of Laboratory Animals 3.13., the <i>Guide for the Care and Use of Laboratory Animals</i> (<i>Guide</i>), and the AWA) regulations, as applicable.	
I. Description of Policy, the <i>Gu</i>	the Nature and Extent of the Institution's Adherence to the PHS ide, and the AWA	
Departures fro Select A or B:	m the AWA and the Ag Guide.	
[] B. The	e were no departures during this reporting period. following departures have been reviewed and approved by the IACUC: [include on for each departure]	
Animal Care ar Select A or B: [Y A. Ther [] B. The each plan on a	the Institution's Animal Care and Use Program In the Institution's Animal Care and Institution Institutio	
Animal Facility Select A or B: M A. Ther [] B. The each plan on a	Inspection Date(s): e were no deficiencies in the animal facility during this reporting period. following deficiencies have been identified: [describe each deficiency, identify deficiency as either minor or significant, and provide a reasonable and specific and schedule for the correction of each deficiency, deficiencies may be recorded separate table and attached, the last page of OLAW's Sample Semiannual ram Review and Facility Inspection Checklist provides a sample table]	

Dr. Harold Bockelman, RL/IO

Memorandum to:

Semiannual Report 1

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

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Thomas L. Welker

Ken Overfur L

W. S. Las

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nd ... al [1]

Michael A. Becerra

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GUIDELINES

United States Department of Agriculture

Animal and Plant Health Inspection Service

APHIS 41-35-036

Institutional Animal Care and Use Committee (IACUC) Guidelines

Note: These are guidelines and are not meant to replace the Animal Welfare Act (AWA), regulations, or standards.

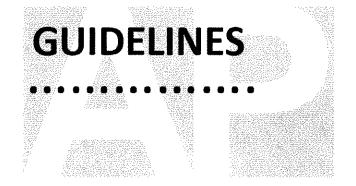
- 1. Membership of IACUC: 2.31 (a)(b) and 2.33 (a)(3)
- 3+ members appointed by CEO. Includes at least one nonaffiliated person, one veterinarian, and a chair.
- Program Review and Facility Inspection:
 2,31 (c)(1) and (c)(2)
- At least once every 6 months by at least two IACUC members.
- 3. Program Review and Facility Inspection Reports: 2.31(c)(3)
- IACUC majority reviews, signs, and submits to Institutional Official.
- Contains minority view.
- Identified departures from regulations or standards and reasons.
- Distinguishes significant from minor deficiencies.
- Provides reasonable and specific plan and schedule for corrections
- Nonadherence to plan of correction for significant deficiencies reported within 15 business days to APHIS and any Federal funding agency.

4. Review/Investigate Complaints About Animal Care: 2.31 (c)(4)

- Complaints may be from the public *or* from facility personnel [refer also to 2.32 (c)(4)].
- Recommendations Concerning Animal Care Program: 2.31 (c)
- To Institutional Official about animal care and use program, facilities, or personnel training.
- 6. Review of Protocols: 2.31 (c)(6) and 2.31 (d)(1-5) and (e)
- Review of ongoing protocols no less than once a year.
- All IACUC members given list of proposed protocols prior to review.
- Full committee (quorum) can be convened at request of *one* member.
- IACUC reviewer must have no conflict of interest with the protocol.
- May use nonvoting consultants.
- No study is to begin before IACUC review and approval.
- 7. Review Significant Changes to Approved Protocol: 2.31 (c)(7) and (d)(8), 2.31 (e)
- IACUC must preapprove significant changes to protocol.

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 Authorization to Suspend a Protocol: 2.31 (c)(8) and (d)(6), 2.32 (d)(7) 	All Proposed Animal Activities with Potentially Painful Procedures 2.31 (d)(1)(i-iv)
IACUC can suspend approved protocol with	Discomfort, distress, and pain are minimized.
majority vote of convened quorum. Report suspensions to APHIS and any Federal funding agency.	Method used, alternative information sources searched with a written list of parameters used for the search.
 Field Study Exemption from Protocol and Facility Review: 2.31 (c)(2) and (d)(1) 	Procedure does not unnecessarily duplicate previous experiments.
Part 1 defines field study as using free-living wild animals in natural habitat without	Use of proper drugs for relief of pain/distress. No paralytics without anesthesia.
invasive procedures, harm, or altering of behavior.	Attending veterinarian is involved in plan- ning. (also 2.33)
10. Assurances and/or Statements Required in	11. IACUC Records: 2.35 (a)(1-3)
Written Protocols: 2.31 (d)(1) and (e) All Proposed Animal Activities	Minutes, proposed activities or significant changes, approvals or disapprovals of
Procedure does not unnecessarily duplicate previous experiments.	protocols, and semiannual reports with recommendations.
Animals' living conditions are appropriate.	12. Exceptions to Regulations and Standards:
Medical care is available for the animals. (also 2.33)	2.36 (b)(3) IACUC-approved exceptions to regulations
Qualified and trained personnel are involved with procedures. (also 2.32)	and standards attached to annual report (APHIS Form 7023).
Discomfort, distress, and pain are minimized.	
If used in two major surgeries, animal is not allowed to recover (unless justified).	The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race,
Description of preoperative and postoperative care.	color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs.) Persons
Survival surgery is conducted aseptically in dedicated facilities.	with disabilities who require alternative means for communication of program information (braille, large
Rationale for species and number of animals.	print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-5881 (voice) or
Rationale for using animals.	(202) 720-7808 (TDD).
Complete description of proposed use of the apimals.	To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, DC
Complete description of procedures designed to assure that discomfort and pain are minimized.	20250, or call (202) 720-7327 (voice) or (202) 720- 1127 (TDD). USDA is an equal employment opportu- nity employer.
Complete description of method of euthanasia.	Issued August 1995
Reviewer (name and signature)	Date: 9/18/20



United States Department of Agriculture

Animal and Plant Health Inspection Service

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- 1. Membership of IACUC: 2.31 (a)(b) and 2.33 (a)(3)
- 3+ members appointed by CEO. Includes at least one nonaffiliated person, one veterinarian, and a chair.
- 2. Program Review and Facility Inspection: 2.31 (c)(1) and (c)(2)
- At least once every 6 months by at least two IACUC members.
- 3. Program Review and Facility Inspection Reports: 2.31(c)(3)
- ✓ IACUC majority reviews, signs, and submits to Institutional Official.
- Contains minority view.
- Identified departures from regulations or standards and reasons.
- Distinguishes significant from minor deficiencies.
- Provides reasonable and specific plan and schedule for corrections
- Nonadherence to plan of correction for significant deficiencies reported within 15 business days to APHIS and any Federal funding agency.

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- Complaints may be from the public *or* from facility personnel [refer also to 2.32 (c)(4)].
- 5. Recommendations Concerning Animal Care Program: 2.31 (c)
- To Institutional Official about animal care and use program, facilities, or personnel training.
- 6. Review of Protocols: 2.31 (c)(6) and 2.31 (d)(1-5) and (e)
- Review of ongoing protocols no less than once a year.
- All IACUC members given list of proposed protocols prior to review.
- Full committee (quorum) can be convened at request of *one* member.
- ✓ IACUC reviewer must have no conflict of interest with the protocol.
- May use nonvoting consultants.
- No study is to begin before IACUC review and approval.
- 7. Review Significant Changes to Approved Protocol: 2.31 (c)(7) and (d)(8), 2.31 (e)
- ✓ IACUC must preapprove significant changes to protocol.

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8. Authorization to Suspend a Protocol: 2.31 (c)(8) and (d)(6), 2.32 (d)(7)

- IACUC can suspend approved protocol with majority vote of convened quorum.
- Report suspensions to APHIS and any Federal funding agency.

9. Field Study Exemption from Protocol and Facility Review: 2.31 (c)(2) and (d)(1)

PAR Part 1 defines field study as using free-living wild animals in natural habitat without invasive procedures, harm, or altering of behavior.

10. Assurances and/or Statements Required in Written Protocols: 2.31 (d)(1) and (e)

All Proposed Animal Activities

- Procedure does not unnecessarily duplicate previous experiments.
- ✓ Animals' living conditions are appropriate.
- Medical care is available for the animals. (also 2.33)
- Qualified and trained personnel are involved with procedures. (also 2.32)
- Discomfort, distress, and pain are minimized.
- If used in two major surgeries, animal is not allowed to recover (unless justified).
- រៅ Description of preoperative and postoperative care.
- Survival surgery is conducted aseptically in dedicated facilities.
- Rationale for species and number of animals.
- Rationale for using animals.
- ✓ Complete description of proposed use of the animals.
- ✓ Complete description of procedures designed to assure that discomfort and pain are minimized.
- Complete description of method of euthanasia.

- All Proposed Animal Activities with Potentially Painful Procedures 2.31 (d)(1)(i-iv)
- ☑ Discomfort, distress, and pain are minimized.
- Method used, alternative information sources searched with a written list of parameters used for the search.
- Procedure does not unnecessarily duplicate previous experiments.
- Use of proper drugs for relief of pain/distress. No paralytics without anesthesia.
- Attending veterinarian is involved in planning. (also 2.33)

11. IACUC Records: 2.35 (a)(1-3)

Minutes, proposed activities or significant changes, approvals or disapprovals of protocols, and semiannual reports with recommendations.

12. Exceptions to Regulations and Standards:



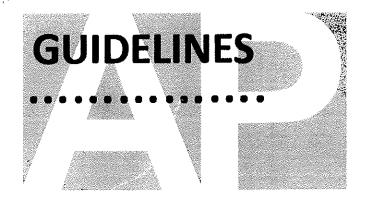
IACUC-approved exceptions to regulations and standards attached to annual report (APHIS Form 7023).

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To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, DC 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

Issued August 1995

Reviewer (name and signature) _____ hala of_____ Date: 9/18/2020



United States Department of Agriculture

Animal and Plant Health Inspection Service

APHIS 41-35-036

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 2.31 (c)(1) and (c)(2)
- At least once every 6 months by at least two IACUC members.
- 3. Program Review and Facility Inspection Reports: 2.31(c)(3)
- IACUC majority reviews, signs, and submits to Institutional Official.
- Contains minority view.
- Identified departures from regulations or standards and reasons.
- Distinguishes significant from minor deficiencies.
- Provides reasonable and specific plan and schedule for corrections
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- Complaints may be from the public *or* from facility personnel [refer also to 2.32 (c)(4)].
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- May use nonvoting consultants.
- No study is to begin before IACUC review and approval.
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8.	Authorization to Suspend a Protocol: 2.31 (c)(8) and (d)(6), 2.32 (d)(7)	All Proposed Animal Activities with Potentially Painful Procedures 2.31 (d)(1)(i-iv)
	HACUC can suspend approved protocol with majority vote of convened quorum. Report suspensions to APHIS and any Federal funding agency.	Discomfort, distress, and pain are minimized. Method used, alternative information sources searched with a written list of parameters used for the search.
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A	Part 1 defines field study as using free-living wild animals in natural habitat without	Use of proper drugs for relief of pain/distress. No paralytics without anesthesia.
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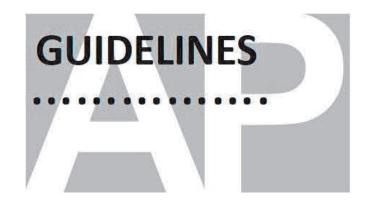
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Reviewer (name and signature)

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11. IACUC Records: 2.35 (a)(1-3)

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12. Exceptions to Regulations and Standards: 2.36 (b)(3)

IACUC-approved exceptions to regulations
and standards attached to annual report
(APHIS Form 7023).

Not applicable.

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