

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE  
SEMIANNUAL REPORT

DATE OF REPORT: 6/11/19

IACUC MEMBERS PRESENT:

Ruth Mesimer Chris Morrow

Joan Gorman

FACILITIES INSPECTION: To be inspected after upgrades to animal housing and use areas are complete (August 2017)

Significant Deficiencies:

Anticipated Date for Correction: \_\_\_\_\_

Minor Deficiencies:

As noted in previous reports (2017 and 2018), flooring in all of the animal use and housing areas is deficient; sanitation and care is a concern as top coat missing in several areas. Cabinets and countertops need to be replaced: warped, pulling away from wall, missing veneer, magnets broken, resulting in inability to keep doors closed (keep animals out). Ceiling tiles and grids need to be replaced: rusty ceiling grids throughout animal housing areas, warped, stained and dusty tiles noted as well.

Anticipated Date for Correction: Ongoing project. Dr. Morrow working with administration on funding to correct the deficiencies.

PROTOCOLS REVIEWED: YES X NO \_\_\_\_\_

Comments: \_\_\_\_\_

ASSURANCE STATEMENT:

Program review and veterinary care plan approved.

COMMITTEE SIGNATURES:

Chris Morrow  
Attending Veterinarian

Ruth Mesimer

Joan Gorman  
Committee Chairman



# Semiannual Program Review Checklist Institutional Policies and Responsibilities

Committee Member Name: Chris Morrow DVM Date: 6/11/2019

A      M      S

## 1. IACUC MEMBERSHIP AND FUNCTIONS

at least three members	✓		
members include veterinarian, chairperson, and non-affiliated member	✓		
responsible for oversight and evaluation of institutions program	✓		
reports to the Institutional Official (IO)	✓		
conducts semiannual evaluations of institutional animal care and use program	✓		
conducts semiannual inspections of institutional animal facilities	✓		
reviews and investigates concerns about animal care and use at institution	✓		
procedures for review, approval and suspension of animal activities	✓		
procedures for review and approval of significant changes to approved activities	✓		
policies for special procedures	✓		

## 2. IACUC RECORDS AND REPORTING REQUIREMENTS

### Reports to Institutional Official (IO)

semiannual program review and facility inspections	✓		
minority IACUC views	✓		
distinguish significant from minor deficiencies	✓		
include plan and schedule for correction of each deficiency identified	✓		

### Report to USDA

annual report contains required information	✓		
reports within 15 days failure to adhere to timetable for correction of deficiencies	✓		
reports suspension of activity by the IACUC to USDA	✓		

### Records

minutes of IACUC meetings and semiannual reports maintained for 3 years	✓		
IACUC review of activities involving animals includes all required information	✓		

A=acceptable, M=minor deficiency, S=significant deficiency (is or maybe a threat to animal health or safety)

**VETERINARY CARE**

veterinary access to all animals	✓		
provision for backup veterinary care	✓		
provide guidance on handling, immobilization, sedation, analgesia, anesthesia, euthanasia	✓		
provide guidance/oversight on surgery program and postsurgical care	✓		
veterinary authority to oversee all aspects of animal care and use	✓		

**4. PERSONNEL QUALIFICATIONS AND TRAINING**

institution has established and implemented an effective training program	✓		
includes research instructors, technicians and students	✓		

**Training Program Content**

humane practices of animal care (housing, husbandry, handling)	✓		
humane practices of animal use (SOP, anesthesia, post-op care)	✓		
teaching methods that minimize pain and distress	✓		

**5. OCCUPATION HEALTH AND SAFETY OF PERSONNEL****Institutional program for a safe and healthy workplace**

program is established and implemented	✓		
covers all personnel who work in animal facilities	✓		
based on hazard identification and risk assessment	✓		
procedures for use, storage and disposal of hazardous biologic, chemical and physical agent	✓		
specific procedures for personnel protection	✓		

**Program for medical evaluation and preventative medicine for personnel**

pre-employment evaluation	✓		
immunizations as appropriate	✓		
procedures for reporting and treating injuries, including bites	✓		

✓=acceptable, M=minor deficiency, S=significant deficiency (is or maybe a threat to animal health or safety)

## SEMIANNUAL PROGRAM REVIEW CHECKLIST

### VETERINARY MEDICAL CARE

A      M      S

#### 1. PREVENTATIVE MEDICINE/ANIMAL PROCUREMENT AND TRANSPORTATION

procedure for lawful animal procurement, evaluation of animals and transportation	✓		
procedure for acclimation	✓		
separation of species	✓		
procedure for isolation of sick animals	✓		
program of surveillance, diagnosis, treatment and control of disease	✓		
preventative health programs	✓		
provision for emergency, weekend and holiday veterinary care	✓		

#### 2. SURGERY

procedures for monitoring surgical anesthesia and analgesia	✓		
appropriate training or experience of personnel in surgery and anesthesia	✓		
use of aseptic procedure	✓		
implemented procedures for scavenging volatile anesthetics	✓		
documentation of post-operative monitoring and care	✓		

#### 3. PAIN, DISTRESS, ANALGESIA AND ANESTHESIA

guidelines for assessment and categorization of pain	✓		
IACUC guidelines for avoiding unnecessary pain and distress	✓		
appropriate anesthetics, analgesics, tranquilizer used for each species	✓		
veterinary input in the choice of drugs	✓		

#### 4. EUTHANASIA

compliance with current AVMA Guidelines on Euthanasia	✓		
guidance provided on appropriate methods for each species	✓		
training for humane methods of euthanasia available for all personnel	✓		

#### 5. DRUG STORAGE AND CONTROL

safe and secure storage arrangement	✓		
record keeping meets regulations	✓		
monthly inventory to ensure drugs are within expiration date	✓		

A=acceptable, M=minor deficiency, S=significant deficiency (is or maybe a threat to animal health or safety)

## SEMIANNUAL FACILITY INSPECTION CHECKLIST

### HOUSING AND SUPPORT AREAS

Location: animal area separate from personnel area, species separated, isolation possible

Construction: corridors, doors, windows, floors, drainage, walls, ceilings, HVAC, noise, lighting

Room/Cage: temperature, humidity, ventilation, lighting, noise control

Cage/Run: sanitation, food/water access, security, safety, observation, size, social and behavioral needs met

Outdoor Housing: weather protection, ventilation, sanitation, acclimation, restraint procedures, security

Behavioral Management: enrichment, social grouping, animal activity

Food: feeding schedule, contamination, sealed storage, expiration date labeling, vermin control

Water: ad libitum unless justified

Bedding: species appropriate, keeps animal dry

Sanitation: cleaning and disinfection, monitoring

Waste Disposal: collection, storage and disposal of waste, hazardous waste, animal carcasses

Pest Control: regularly scheduled, rodent and pest control

Emergency, Weekend and Holiday Animal Care: provision for, accessible contact information

Animal Identification and Records: cage cards contain required information, clinical records accessible

Storage: food, supplies, drugs, biologicals, waste material, hazardous material

Personnel: administration and training

Location and Notes		A	M	S
Dog Ward	Flooring needs top coat	✓		
Cat Ward	Flooring needs topcoat	✓		
Dog Runs	Flooring needs top coat	✓		
Lab Animal Rooms		✓		
Barn		✓		

A=acceptable, M=minor deficiency, S=significant deficiency (Is or maybe a threat to animal health or safety)

## SEMIANNUAL FACILITY INSPECTION CHECKLIST

### SURGERY

#### General Considerations:

- location minimized traffic/contamination
- functional components are designed and separated accordingly
- appropriate drug storage, control, expiration date monitoring
- safe sharps disposal system
- adequate records of anesthesia and perioperative care
- aseptic procedures in use for all survival surgery

#### Operating Room:

- effective contamination control procedure
- effective cleaning procedures/dedicated tools
- interior surfaces smooth and impervious to moisture
- HVAC system meets GUIDE requirement
- lighting safe and appropriate
- outlets safe and appropriate
- scavenging of anesthetic gasses implemented
- fixed equipment is sanitizable

#### Surgical Support:

- facility for washing, sterilizing, storing instruments and supplies
- autoclave monitoring procedures
- storage of autoclaved materials

#### Surgeon:

- scrub outside operating room, non-hand operated sink

Location and Notes		A	M	S
Surgery Prep	Flooring needs topcoat.	✓		
	Need updated counter tops and cabinets			
Surgery Room	Flooring needs topcoat.	✓		

A=acceptable, M=minor deficiency, S=significant deficiency (Is or maybe a threat to animal health or safety)

## SEMIANNUAL FACILITY INSPECTION CHECKLIST

### PROCEDURE AREAS

#### General Concerns:

drug storage, control and expiration dates

sharps disposal

anesthetic monitoring

gas cylinders immobilized

scavenging of anesthetic gasses

carcass disposal

#### Location and Notes

		A	M	S
North Lab	Flooring, cabinets, countertops need work	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Radiology	Patch + paint walls, Flooring needs work.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
South Lab (Animal Resource)	Floor, ceiling grids, rusted, cabinets & countertops	<input checked="" type="checkbox"/>		
Food Prep		<input checked="" type="checkbox"/>		
Food Storage	Counter tops and cabinets	<input checked="" type="checkbox"/>		

A=acceptable, M=minor deficiency, S=significant deficiency (Is or maybe a threat to animal health or safety)



# Semiannual Program Review Checklist Institutional Policies and Responsibilities

Committee Member Name: Auth Maximer Date: 6/11/2019

A      M      S

## 1. IACUC MEMBERSHIP AND FUNCTIONS

at least three members	✓		
members include veterinarian, chairperson, and non-affiliated member	✓		
responsible for oversight and evaluation of institutions program	✓		
reports to the Institutional Official (IO)	✓		
conducts semiannual evaluations of institutional animal care and use program	✓		
conducts semiannual inspections of institutional animal facilities	✓		
reviews and investigates concerns about animal care and use at institution	✓		
procedures for review, approval and suspension of animal activities	✓		
procedures for review and approval of significant changes to approved activities	✓		
policies for special procedures	✓		

## 2. IACUC RECORDS AND REPORTING REQUIREMENTS

### Reports to Institutional Official (IO)

semiannual program review and facility inspections	✓		
minority IACUC views	✓		
distinguish significant from minor deficiencies	✓		
include plan and schedule for correction of each deficiency identified	✓		

### Report to USDA

annual report contains required information	✓		
reports within 15 days failure to adhere to timetable for correction of deficiencies	✓		
reports suspension of activity by the IACUC to USDA	✓		

### Records

minutes of IACUC meetings and semiannual reports maintained for 3 years	✓		
IACUC review of activities involving animals includes all required information	✓		

A=acceptable, M=minor deficiency, S=significant deficiency (is or maybe a threat to animal health or safety)

10m  
6/11/19

A M S

#### VETERINARY CARE

veterinary access to all animals	✓		
provision for backup veterinary care	✓		
provide guidance on handling, immobilization, sedation, analgesia, anesthesia, euthanasia	✓		
provide guidance/oversight on surgery program and postsurgical care	✓		
veterinary authority to oversee all aspects of animal care and use	✓		

#### 4. PERSONNEL QUALIFICATIONS AND TRAINING

institution has established and implemented an effective training program	✓		
includes research instructors, technicians and students	✓		

##### Training Program Content

humane practices of animal care (housing, husbandry, handling)	✓		
humane practices of animal use (SOP, anesthesia, post-op care)	✓		
teaching methods that minimize pain and distress	✓		

#### 5. OCCUPATION HEALTH AND SAFETY OF PERSONNEL

##### Institutional program for a safe and healthy workplace

program is established and implemented	✓		
covers all personnel who work in animal facilities	✓		
based on hazard identification and risk assessment	✓		
procedures for use, storage and disposal of hazardous biologic, chemical and physical agent	✓		
specific procedures for personnel protection	✓		

##### Program for medical evaluation and preventative medicine for personnel

pre-employment evaluation	✓		
immunizations as appropriate	✓		
procedures for reporting and treating injuries, including bites	✓		

acceptable, M=minor deficiency, S=significant deficiency (is or maybe a threat to animal health or safety)

10m  
6/11/19

## SEMIANNUAL PROGRAM REVIEW CHECKLIST

### VETERINARY MEDICAL CARE

A M S

#### 1. PREVENTATIVE MEDICINE/ANIMAL PROCUREMENT AND TRANSPORTATION

procedure for lawful animal procurement, evaluation of animals and transportation	✓		
procedure for acclimation	✓		
separation of species	✓		
procedure for isolation of sick animals	✓		
program of surveillance, diagnosis, treatment and control of disease	✓		
preventative health programs	✓		
provision for emergency, weekend and holiday veterinary care	✓		

#### 2. SURGERY

procedures for monitoring surgical anesthesia and analgesia	✓		
appropriate training or experience of personnel in surgery and anesthesia	✓		
use of aseptic procedure	✓		
supplemented procedures for scavenging volatile anesthetics	✓		
documentation of post-operative monitoring and care	✓		

#### 3. PAIN, DISTRESS, ANALGESIA AND ANESTHESIA

guidelines for assessment and categorization of pain	✓		
IACUC guidelines for avoiding unnecessary pain and distress	✓		
appropriate anesthetics, analgesics, tranquilizer used for each species	✓		
veterinary input in the choice of drugs	✓		

#### 4. EUTHANASIA

compliance with current AVMA Guidelines on Euthanasia	✓		
guidance provided on appropriate methods for each species	✓		
training for humane methods of euthanasia available for all personnel	✓		

#### 5. DRUG STORAGE AND CONTROL

safe and secure storage arrangement	✓		
record keeping meets regulations	✓		
monthly inventory to ensure drugs are within expiration date	✓		

A=acceptable, M=minor deficiency, S=significant deficiency (is or maybe a threat to animal health or safety)

ram  
6/11/19

## SEMIANNUAL FACILITY INSPECTION CHECKLIST

### HOUSING AND SUPPORT AREAS

Location: animal area separate from personnel area, species separated, isolation possible

Construction: corridors, doors, windows, floors, drainage, walls, ceilings, HVAC, noise, lighting

Room/Cage: temperature, humidity, ventilation, lighting, noise control

Cage/Run: sanitation, food/water access, security, safety, observation, size, social and behavioral needs met

Outdoor Housing: weather protection, ventilation, sanitation, acclimation, restraint procedures, security

Behavioral Management: enrichment, social grouping, animal activity

Food: feeding schedule, contamination, sealed storage, expiration date labeling, vermin control

Water: ad libitum unless justified

Bedding: species appropriate, keeps animal dry

Sanitation: cleaning and disinfection, monitoring

Waste Disposal: collection, storage and disposal of waste, hazardous waste, animal carcasses

Pest Control: regularly scheduled, rodent and pest control

Emergency, Weekend and Holiday Animal Care: provision for, accessible contact information

Animal Identification and Records: cage cards contain required information, clinical records accessible

see 118 cc bankrupt  
6/19 ok name  
name

Storage: food, supplies, drugs, biologicals, waste material, hazardous material

Personnel: administration and training

7/2017 new floors  
12/2017 floors restored  
floors heating tiles ok

6/20/18  
11/7/19

prev: noted

#### Location and Notes

	A	M	S
Dog Ward		✓	
Cat Ward		✓	
Dog Runs		✓	
Lab Animal Rooms	✓		
Barn	✓		

ram  
6/11/19

## SEMIANNUAL FACILITY INSPECTION CHECKLIST

### SURGERY

#### General Considerations:

- location minimized traffic/contamination
- functional components are designed and separated accordingly
- appropriate drug storage, control, expiration date monitoring
- safe sharps disposal system
- adequate records of anesthesia and perioperative care
- aseptic procedures in use for all survival surgery

#### Operating Room:

- effective contamination control procedure
- effective cleaning procedures/dedicated tools
- interior surfaces smooth and impervious to moisture
- HVAC system meets GUIDE requirement
- venting safe and appropriate
- outlets safe and appropriate
- scavenging of anesthetic gasses implemented
- fixed equipment is sanitizable

#### Surgical Support:

- facility for washing, sterilizing, storing instruments and supplies
- autoclave monitoring procedures
- storage of autoclaved materials

#### Surgeon:

- scrub outside operating room, non-hand operated sink

#### Location and Notes

	A	M	S
Surgery Prep	✓		
Surgery Room	✓		

except for flooring

nm  
6/11/19

## SEMIANNUAL FACILITY INSPECTION CHECKLIST

## PROCEDURE AREAS

## General Concerns:

drug storage, control and expiration dates

sharps disposal

anesthetic monitoring

gas cylinders immobilized

scavenging of anesthetic gasses

carcass disposal

## Location and Notes

		A	M	S
North Lab	<i>except for flooring + ceiling tiles</i>		✓	
Radiology	<i>Ditto above</i>		✓	
	<i>plus patch + paint furniture</i>			
South Lab (Animal Resource)	<i>Ditto above</i>		✓	
	<i>plus cabinets</i>			
Food Prep	<i>Ditto above</i>		✓	
	<i>plus cabinets + counters</i>			
Food Storage		✓		

# Semiannual Program Review Checklist Institutional Policies and Responsibilities

Committee Member Name: Joan Gorman Date: 6-11-19

A      M      S

## 1. IACUC MEMBERSHIP AND FUNCTIONS

at least three members	✓		
members include veterinarian, chairperson, and non-affiliated member	✓		
responsible for oversight and evaluation of institutions program	✓		
reports to the Institutional Official (IO)	✓		
conducts semiannual evaluations of institutional animal care and use program	✓		
conducts semiannual inspections of institutional animal facilities	✓		
reviews and investigates concerns about animal care and use at institution	✓		
procedures for review, approval and suspension of animal activities	✓		
procedures for review and approval of significant changes to approved activities	✓		
policies for special procedures	✓		

## 2. IACUC RECORDS AND REPORTING REQUIREMENTS

### Reports to Institutional Official (IO)

semiannual program review and facility inspections	✓		
minority IACUC views	NA	✓	
distinguish significant from minor deficiencies	✓		
include plan and schedule for correction of each deficiency identified	✓		

### Report to USDA

annual report contains required information	✓		
reports within 15 days failure to adhere to timetable for correction of deficiencies	✓		
reports suspension of activity by the IACUC to USDA	✓		

### Records

minutes of IACUC meetings and semiannual reports maintained for 3 years	✓		
IACUC review of activities involving animals includes all required information	✓		

A=acceptable, M=minor deficiency, S=significant deficiency (Is or maybe a threat to animal health or safety)

A M S

## 3. VETERINARY CARE

veterinary access to all animals	✓		
provision for backup veterinary care	✓		
provide guidance on handling, immobilization, sedation, analgesia, anesthesia, euthanasia	✓		
provide guidance/oversight on surgery program and postsurgical care	✓		
veterinary authority to oversee all aspects of animal care and use	✓		

## 4. PERSONNEL QUALIFICATIONS AND TRAINING

institution has established and implemented an effective training program	✓		
includes research instructors, technicians and students	✓		

## Training Program Content

humane practices of animal care (housing, husbandry, handling)	✓		
humane practices of animal use (SOP, anesthesia, post-op care)	✓		
teaching methods that minimize pain and distress	✓		

## 5. OCCUPATION HEALTH AND SAFETY OF PERSONNEL

## Institutional program for a safe and healthy workplace

program is established and implemented	✓		
covers all personnel who work in animal facilities	✓		
based on hazard identification and risk assessment	✓		
procedures for use, storage and disposal of hazardous biologic, chemical and physical agent	✓		
specific procedures for personnel protection	✓		

## Program for medical evaluation and preventative medicine for personnel

pre-employment evaluation	✓		
immunizations as appropriate	✓		
procedures for reporting and treating injuries, including bites	✓		

A=acceptable, M=minor deficiency, S=significant deficiency (Is or maybe a threat to animal health or safety)



## SEMIANNUAL PROGRAM REVIEW CHECKLIST

### VETERINARY MEDICAL CARE

A      M      S

#### 1. PREVENTATIVE MEDICINE/ANIMAL PROCUREMENT AND TRANSPORTATION

procedure for lawful animal procurement, evaluation of animals and transportation	✓		
procedure for acclimation	✓		
separation of species	✓		
procedure for isolation of sick animals	✓		
program of surveillance, diagnosis, treatment and control of disease	✓		
preventative health programs	✓		
provision for emergency, weekend and holiday veterinary care	✓		

#### 2. SURGERY

procedures for monitoring surgical anesthesia and analgesia	✓		
appropriate training or experience of personnel in surgery and anesthesia	✓		
use of aseptic procedure	✓		
implemented procedures for scavenging volatile anesthetics	✓		
documentation of post-operative monitoring and care	✓		

#### 3. PAIN, DISTRESS, ANALGESIA AND ANESTHESIA

guidelines for assessment and categorization of pain	✓		
IACUC guidelines for avoiding unnecessary pain and distress	✓		
appropriate anesthetics, analgesics, tranquilizer used for each species	✓		
veterinary input in the choice of drugs	✓		

#### 4. EUTHANASIA

compliance with current AVMA Guidelines on Euthanasia	✓		
guidance provided on appropriate methods for each species	✓		
training for humane methods of euthanasia available for all personnel	✓		

#### 5. DRUG STORAGE AND CONTROL

safe and secure storage arrangement	✓		
record keeping meets regulations	✓		
monthly inventory to ensure drugs are within expiration date	✓		

A=acceptable, M=minor deficiency, S=significant deficiency (is or maybe a threat to animal health or safety)

## SEMIANNUAL FACILITY INSPECTION CHECKLIST

### HOUSING AND SUPPORT AREAS

- Location: animal area separate from personnel area, species separated, isolation possible
- Construction: corridors, doors, windows, floors, drainage, walls, ceilings, HVAC, noise, lighting
- Room/Cage: temperature, humidity, ventilation, lighting, noise control
- Cage/Run: sanitation, food/water access, security, safety, observation, size, social and behavioral needs met
- Outdoor Housing: weather protection, ventilation, sanitation, acclimation, restraint procedures, security
- Behavioral Management: enrichment, social grouping, animal activity
- Food: feeding schedule, contamination, sealed storage, expiration date labeling, vermin control
- Water: ad libitum unless justified
- Bedding: species appropriate, keeps animal dry
- Sanitation: cleaning and disinfection, monitoring
- Waste Disposal: collection, storage and disposal of waste, hazardous waste, animal carcasses
- Pest Control: regularly scheduled, rodent and pest control
- Emergency, Weekend and Holiday Animal Care: provision for, accessible contact information
- Animal Identification and Records: cage cards contain required information, clinical records accessible
- Storage: food, supplies, drugs, biologicals, waste material, hazardous material
- Personnel: administration and training

*floor as previously noted*  
*ceiling tiles & grid as prev. noted*

Location and Notes	A	M	S
Dog Ward		✓	
Cat Ward		✓	
Dog Runs		✓	
Lab Animal Rooms	✓		
Barn	✓		

A=acceptable, M=minor deficiency, S=significant deficiency (is or maybe a threat to animal health or safety)

## SEMIANNUAL FACILITY INSPECTION CHECKLIST

### SURGERY

#### General Considerations:

location minimized traffic/contamination

functional components are designed and separated accordingly

appropriate drug storage, control, expiration date monitoring

safe sharps disposal system

adequate records of anesthesia and perioperative care

aseptic procedures in use for all survival surgery

#### Operating Room:

effective contamination control procedure

effective cleaning procedures/dedicated tools

interior surfaces smooth and impervious to moisture

HVAC system meets GUIDE requirement

lighting safe and appropriate

outlets safe and appropriate

scavenging of anesthetic gasses implemented

fixed equipment is sanitizable

#### Surgical Support:

facility for washing, sterilizing, storing instruments and supplies

autoclave monitoring procedures

storage of autoclaved materials

#### Surgeon:

scrub outside operating room, non-hand operated sink

*flooring*

#### Location and Notes

	A	M	S
Surgery Prep	✓		
Surgery Room	✓		

A=acceptable, M=minor deficiency, S=significant deficiency (is or maybe a threat to animal health or safety)

## SEMIANNUAL FACILITY INSPECTION CHECKLIST

### PROCEDURE AREAS

#### General Concerns:

drug storage, control and expiration dates

sharps disposal

anesthetic monitoring

gas cylinders immobilized

scavenging of anesthetic gasses

carcass disposal

*flooring as  
ceiling as previously  
noted*

#### Location and Notes

	A	M	S
North Lab		✓	
Radiology <i>paint &amp; patch walls</i>		✓	
South Lab (Animal Resource) <i>floor ceiling</i>		✓	
<i>cabinets / countertops</i>			
Food Prep <i>see above</i>		✓	
Food Storage	✓		

A=acceptable, M=minor deficiency, S=significant deficiency (is or maybe a threat to animal health or safety)