Memorandum to IO

To: Dr. Angela Spaulding, WTAMU VP Research and Compliance/IO;

From: WTAMU Institutional Animal Care and Use Committee

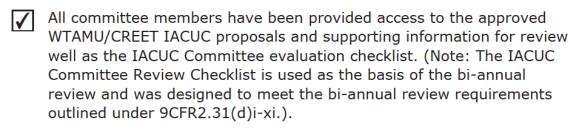
Subject: IACUC Semi-Annual Meeting November 2021

Date: November 23, 2021

This report summarizes the results of the IACUC committee's AWA required bi-annual program review and facility inspection, as required by the applicable Animal Welfare Act (AWA) regulations 9CFR2.31.

This report also meets the requirements of submission of semiannual reports to the Institutional Official as a condition of this institution's Animal Welfare Assurance with the NIH Office of Laboratory Animal Welfare (OLAW). **This form may also be used for any by the IACUC committee for any requested inspections by the IO, and, as needed, to address any public and/or employees complaints.**

Pre-evaluation Checklist:



- All committee members have been notified of the program review and facility inspections.
- No committee member wishing to participate in any part of this evaluation has been excluded.

Since the last review, the following changes have occurred in the institution's program for animal care and use:

	Description of the Nature and Extent of the Institution's erence to the AWA (If a PHS or NIH Grant include PHS Policy, the V Guide, 8th edition).
•	rtures from the AWA and PHS and OLAW if appropriate. t one:
\checkmark	There were no departures during this reporting period.
	The following departures have been reviewed and approved by the IACUC:
11.	Deficiencies in the Institution's Animal Care and Use Program
Anim	al Care and Use Program Review Date(s):
Selec	t one:
√	There were no deficiencies in the program during this reporting period.
	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 this Semiannual Program Review form and Facility Inspection Checklist.

III.	Deficiencies in the Institution's Animal Facility
Anim	al Facility Inspection Date(s): 11.23.21
Selec	t one:
√	There were no deficiencies in the animal facility during this reporting period.
	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 this Semiannual Program Review form and Facility Inspection Checklist. The IACUC committee has the authority to require Principal Investigators and research programs to meet the requirements outlined in the AWA and implementing regulations 9CFR 2.31et. seq. as specified in Appendix A.
IV.	Minority Views
Selec	t one:
\checkmark	No minority views were submitted or expressed.
	The following minority views were expressed: [insert minority views here or attach].
.,	Status of AAALAC Associatation fidewalks associated facilities if
▼. applio	Status of AAALAC Accreditation [identify accredited facilities, if cable]
	N/A

VI. Institutional Official Signatures:

Meeting Title: IACUC: November 2021 Semi-Annual Date: 11.23.2021

Members in Attendance: Dr. Gary Bigham, Dr. Maxine Debutte, via ZOOM: Dr. John Richeson, via ZOOM: Dr. Matthew Beck, Dr. Juan Pineiro, Dr. B.J. Newcomer, Dr. Stephen Karaganis, Dr. Dan Posey,

Dr. Rex Pjesky, Zack Nethery

Others in Attendance: Karen McKaskle and Richard Smith

Members Not in Attendance: Dr. Lance Baker, Dr. Donna Byers, Jude Smith

Quorum met? Yes

Meeting Called to Order: 8:38 AM

Meeting Adjourned: 9:40 AM

Date of Minutes Approval: December 21, 2021

Agenda One: Opening statements

Discussion: Call to order at 8:38 AM. The IACUC Chair began the meeting by describing the processes for conflicts of interest, confidentiality, and a reaffirmation of WTAMU's stance on open discussions, dissenting opinions and minority views. Any dissenting opinions or minority views will be captured in the minutes and individuals are provided opportunity to write and submit such views or opinions for documentation and deliberation. IACUC meetings are recorded solely for the purpose of meeting minutes. Any recordings are destroyed upon approval of the IACUC minutes. Each member then introduced themselves and the meeting progressed in accordance with the proposed agenda.

Agenda Two: Program review

Discussion: Dr. Bigham introduced Richard Smith who was in attendance to discuss IACUC programmatic considerations. Mr. Smith discussed VERO and Biomedical Considerations with IACUC protocols. There is a difference between protocols for animals used for food, fiber, and herd management research vs. biomedical teaching and testing. WTAMU's IACUC was presented several options and considerations regarding review and approval of biomedical teaching protocols. WTAMU is actively engaged in discussions with USDA APHIS, TAMUS, and other member institutions regarding animals used in biomedical teaching protocols as well as general housing protocols or protocols including non-covered species. Richard discussed the new System Reg 15.99.07 which appears to better align with USDA APHIS regulations. The IACUC was told WTAMU Research and Compliance is considering adding a new option for protocols involving non-covered species. The idea is to mirror what is done in IRB for exempted work. Lastly, Richard addressed the animal housing requirements under Part 3 of Title 9 CFR Chapter 1. Over the years, the IACUC has engaged in numerous discussions regarding outdoor facilities for farm animals. If, at some point, we discover animals in our facilities demonstrating signs or symptoms of heat related stress then we need to identify and implement mitigating controls. Such controls might include the use of shade coverings, but other mitigating controls are available and are more likely to be utilized.

Agenda Three: Schedule May Meeting

Discussion: Dr. Bigham asked members to look at their May calendars to discuss the date for the next biannual meeting of the IACUC. It was decided the May semi-annual meeting will be held on May 9th, 2022.

Agenda Four: Semi- Annual Protocol review and Discussion

Discussion: Semi-annual protocol reviews were conducted via DMR. Each IACUC member can see each protocol under review, is welcome to review any protocol they wish, are provided the status of each protocol (approved, deferred, denied, etc.), and can recommend any protocol be reviewed by the full committee.

A list of protocols reviewed during this period is attached to this document.

Discussion: Meeting adjourned at 9:40 AM. Members left to conduct semi-annual facility inspections. Report of facility reviews and corrective action identification and timelines will be included in the Memo to the IO.

Agenda IACUC November 23, 2021

- 8:30 Call to Order
 - Opening Statements
 - COIs/Minority Views/etc.
 - Roll Call/Quorum
- Targeted Program Review IACUC Membership and Functions (#5)
 - Membership
- Schedule May Meeting
- Proposal Discussion
- Adjourn
- Local Facility Inspections
 - Mouse Lab
 - Feedlot
 - Nance Ranch
 - Horse Center
 - Rodeo
- Lunch 11:00 AM

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

Semiannual Program Review/Veterinarian Checklist

Date: Nos 2022

-	mal Care and Use Program	A	M	S	C	NA	D
•	Responsibility for animal well-being is assumed by all	λ	1				
146	members of the program (Guide, p 1)	1	1				
•	IO has authority to allocate needed resources (Guide, p	X					
•	Resources necessary to manage program of veterinary care are provided (Guide, p14)	X					
	Sufficient resources are available to manage the program,	+	-	-	+	1	-
	including training of personnel in accord with regulations	X					
•	and the Guide (Guide, pp 11, 15) Program needs are regularly communicated to IO by AV, AR-EHS and/or IACUC (Guide, p 13)	X	-				-
•	Responsibilities for daily animal care and facility	1	-	-	-	-	-
	management are assigned to specific individual(s) when a full-time veterinarian is not available on site (<i>Guide</i> , p 14)	X					
	Inter-institutional collaborations are described in formal		-		-		
	written agreements (Guide, p 15)	X					
•	Written agreements address responsibilities, animal ownership, and IACUC oversight (Guide, p 15)	X					
Disa	ster Planning and Emergency Preparedness	-					
•	Plans include provisions for euthanasia (<i>Guide</i> , p 35)	A	M	S	C	NA	D
•	Plans include triage plans to reach in this include provisions for euthanasia (Guide, p. 35)	X					
	Plans include triage plans to meet institutional and investigators' needs (Guide, p 35)	X					
•	Plans describe preservation of critical or irreplaceable animals (<i>Guide</i> , p 35)	X					
•	Plans include essential personnel and their training (Guide, p 35)	X					
•	Animal facility plans are approved by AR-EHS and incorporated into overall response plan (Guide, p 35)	X					
•	3. IACUC	A	М	S	C	NA	D
	Meets as necessary to fulfill responsibilities (Guide, p 25)	14 500		-		INA	U
•	IACUC Members named in protocols or with conflicts recuse themselves from protocol decisions (<i>Guide</i> , p 26)	X					
•	Continuing IACUC oversight after initial protocol approval	X					
٠	is in place (<i>Guide</i> , p 33) IACUC evaluates the effectiveness of training programs	/					
	(Guide, D15)	X					
_	4. IACUC Protocol Review – Special Considerations	A	M	S	C	NA	DI
•	For pilot studies, a system to communicate with the IACUC is in place (Guide, p 28)					X	
•	Restraint devices are justified in the animal use protocols (Guide, p 29)	X					
	 Alternatives to physical restraint are considered (Guide, p 29) 	X					
	 Training of animals to adapt to restraint is provided (Guide, p 29) 	X					
	 Animals that fail to adapt are removed from study (Guide, p 29) 	X					
	 Appropriate observation intervals of restrained animals are provided (Guide, p.29) 	X					
	 Veterinary care is provided if lesions or illness result from restraint (Guide, p30) 	X					
	o Explanations of purpose and duration of						
	restraint are provided to study personnel						

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

Semiannual Program Review/Veterinarian Checklist Date:

	Multiple surgical procedures on a single animal are justified and outcomes evaluated (Guide, p 30)	1					
•	Major versus minor surgical procedures are evaluated on a case-by-case basis (<i>Guide</i> , p 30)	X					r
•	Multiple survival procedure justifications in non-regulated species conform to regulated species standards (<i>Guide</i> , p 30)	×					
•	Animals on food/fluid restriction are monitored to ensure nutritional needs are met (Guide, p 31)	X					
	 Body weights for food/fluid restricted animals are recorded at least weekly (Guide, p 31) 	X					
	 Daily written records are maintained for food/fluid restricted animals (Guide, p 31) 	X					
•	Pharmaceutical grade chemicals are used , when available, for animal-related procedures (<i>Guide</i> , p 31)	X					
•	Non-pharmaceutical grade chemicals are described, justified, and approved by IACUC (<i>Guide</i> , p 31)	X					
•	Investigators conducting field studies know zoonotic diseases, safety issues, laws and regulations applicable in study area (<i>Guide</i> , p 32)	X					
1	5. IACUC Membership and Functions	A	M	S	C	NA	DK
•	IACUC is comprised of at least 5 members, appointed by CEO (PHS Policy, IV.A.3.)	X					
•	Members include a veterinarian, a scientist, a nonscientist, and a nonaffiliated non-lab animal user (Guide, p 24)	X					
•	IACUC authority and resources for oversight and evaluation of institution's program are provided (<i>Guide</i> , <u>p</u> 14)	X					
•	IACUC conducts semiannual evaluations of institutional animal care and use program (PHS Policy, IV.B.)	X					
•	Conducts semiannual inspections of institutional animal facilities (PHS Policy, IV.B.)	X					
•	IACUC organizationally reports to the Institutional Official (PHS Policy, IV.A.1.b.)	X					
•	Methods for reporting and investigating animal welfare concerns are in place (Guide, p 23)	X					
•	Reviews and investigates concerns about animal care and use at institution (PHS Policy, IV.B.)	X					
•	Procedures are in place for review, approval, and suspension of animal activities (PHS Policy, IV.B.)	X					
•	Policies are in place for special procedures (e.g., genetically modified animals, restraint, multiple survival surgery, food and fluid regulation, field investigations, agricultural animals) (Guide, p 27-32)	X					
•	Requests for exemptions from major survival surgical procedure restrictions are made to USDA/APHIS (Guide, p 30)	X					
•	6. IACUC Training	A	М	S	C	NA	DK
II IAC	UC members should receive:						
•	Formal orientation to institution's program (Guide, p 17)	_					
	 Training on legislation, regulations, guidelines, and policies (Guide, p 17) 				_		
	 Training on how to inspect facilities and labs where animal use or housing occurs (Guide, p 17) 						

not (PU-LW) Mis

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

Semiannual Program Review/Veterinarian Checklist Date:

	 Training on how to review protocols as well as evaluate the program (Guide, p17) 	-	-	+	-		-
	Ongoing training/education (<i>Guide</i> , p 17)	+	1		+		+
	o 7. IACUC Records and Reporting Requirements (AR-	A	М	S	С	NA	D
Semia	nnual report to the IO (PHS Policy, <u>IV.B.</u>)		-	13		-	
•	Submitted to IO every 6 months	/				X	
	The second secon	X					
	 Compiles program review and facility inspection(s) results (includes all program and facility deficiencies) 	X					
	 Includes minority IACUC views 	X	+	1			+
	 Describes IACUC-approved departures from the Guide or PHS Policy and the reasons for each departure 	X					
	Distinguishes significant from minor deficiencies		-		-		+
	Includes a plan and schedule for correction for each deficiency identified	X					
	 Reports to OLAW (PHS Policy, <u>IV.F.</u>) 	1				×	+
•	Annual report to OLAW documents program changes, dates of the semiannual program reviews and facility inspections and includes any minority views					X	
	 Promptly advises OLAW of serious/ongoing Guide deviations or PHS Policy noncompliance (NOT-OD-05- 034) 					×	
	 Institute must promptly advise OLAW of any suspension of an animal activity by the IACUC (NOT- OD-05-034) 					×	
	 Reports to U.S. Department of Agriculture (USDA) or Federal funding agency 	X				/	
*	Annual report to USDA contains required information including all exceptions/exemptions	×					
	 Reporting mechanism to USDA is in place for IACUC- approved exceptions to the regulations and standards 	X					
	 Reports are filed within 15 days for failures to adhere to timetable for correction of significant deficiencies 	X					
	 Promptly reports suspensions of activities by the IACUC to USDA and any Federal funding agency 	×					
	 IACUC meeting minutes and semiannual reports to the IO are maintained for 3 years 	X					
•	Records of IACUC reviews of animal activities include all required information	X					
	 Records of IACUC reviews are maintained for 3 years after the completion of the study 	X					
-	8. Personnel Qualifications and Training	A	M	S	С	NA	DI
	 All personnel are adequately educated, trained, and/or qualified in basic principles of laboratory animal science. Personnel included: 	X					
eterin	ary/other professional staff (<i>Guide</i> , p 15-16)				-		
•	IACUC members (<i>Guide</i> , p 17)	X	-				
	Animal care personnel (<i>Guide</i> , p 16)	X					
		X			(-J		
	 Research investigators, instructors, technicians, trainees, and students (<i>Guide</i>, pp 16-17) Continuing education for program and research 	X					
	staff provided to ensure high quality care and	X					

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

Semiannual Program Review/Veterinarian Checklist Date:

	reinforce training (Guide, pp 16-17)			T		1	1
	 Training is available prior to starting animal activity 	1		-		-	+
	(Guide, p 17)	X				1	
•	Training is documented (Guide, p 15)	X		1			+
	Methods for reporting concerns (Guide, p 17)	X	-			-	-
	Humane practices of animal care (e.g., housing,	1	-	-	_		
	husbandry, handling)	X					
	 Humane practices of animal use (e.g., research 				7	1	
	procedures, use of anesthesia, pre- and post-	11.1		1	Y		1
	operative care, aseptic surgical techniques and euthanasia (<i>Guide</i> , p 17)	X		l.			
	Research/testing methods that minimize numbers	-		-	-		-
	necessary to obtain valid results (PHS Policy						
	IV.A.1.q.)	X					
	 Research/testing methods that minimize animal 						+
	pain or distress (PHS Policy, IV.A.1.g.)	X					
	 Use of hazardous agents, including access to OSHA 				+		-
	chemical hazard notices where applicable (Guide, p	1				1	
	<u>20)</u>	X					
•	Animal care and use legislation (Guide, p 17)	X					
•	IACUC function (Guide, p 17)	X			1		-
	Ethics of animal use and Three R's (Guide, p 17)	_					-
	9. Occupational Health and Safety of	X		_			-
	Personnel (AR-EHS)	A	M	S	C	NA	D
	Program is in place and is consistent with federal state			-			
	and local regulations (Guide, p 17)						
	Program covers all personnel who work in laboratory animal	1					
	facilities (Guide, p 18)	1					
•	Washing facilities are available as appropriate (Guide, p19)		1				
•	Personnel training is provided based on risk (e.g.,		1				
	zoonoses, hazards, personal hygiene, special precautions, animal allergies) (Guide, p 20)		1				
	Personal hygiene procedures are in place (e.g., work		1				
	clothing, eating/drinking/smoking policies) (Guide, p 20)			1			
	Procedures for use, storage, and disposal of hazardous			1			
	biologic, chemical, and physical agents are in place			1			
	1011						1
	(Guide, p 21)			1			
•	Personal Protective Equipment for the work area is			1			_
•	Personal Protective Equipment for the work area is appropriate and available (Guide, p 21)						
•	Personal Protective Equipment for the work area is appropriate and available (<i>Guide</i> , <u>p 21</u>) Program for medical evaluation and preventive medicine			7	1		
•	Personal Protective Equipment for the work area is appropriate and available (<i>Guide</i> , p 21) Program for medical evaluation and preventive medicine for personnel includes:				\		
•	Personal Protective Equipment for the work area is appropriate and available (Guide, p 21) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history			\	\		
•	Personal Protective Equipment for the work area is appropriate and available (Guide, p 21) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history (Guide, p 22)				\		
•	Personal Protective Equipment for the work area is appropriate and available (<i>Guide</i> , <u>p 21</u>) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history (<i>Guide</i> , <u>p 22</u>) Immunizations as appropriate (e.g., rabies, tetanus) and				\		
•	Personal Protective Equipment for the work area is appropriate and available (Guide, p.21) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history (Guide, p.22) Immunizations as appropriate (e.g., rabies, tetanus) and tests as appropriate (Guide, p.22)						
•	Personal Protective Equipment for the work area is appropriate and available (Guide, p 21) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history (Guide, p 22) Immunizations as appropriate (e.g., rabies, tetanus) and tests as appropriate (Guide, p 22) o Procedures for reporting and treating injuries.						
•	Personal Protective Equipment for the work area is appropriate and available (Guide, p 21) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history (Guide, p 22) Immunizations as appropriate (e.g., rabies, tetanus) and tests as appropriate (Guide, p 22) o Procedures for reporting and treating injuries, including accidents, bites, allergies, etc. (Guide, p 23)						
•	Personal Protective Equipment for the work area is appropriate and available (Guide, p 21) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history (Guide, p 22) Immunizations as appropriate (e.g., rabies, tetanus) and tests as appropriate (Guide, p 22) o Procedures for reporting and treating injuries, including accidents, bites, allergies, etc. (Guide, p 23) Promotes early diagnosis of allergies including preexisting						
•	Personal Protective Equipment for the work area is appropriate and available (Guide, p 21) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history (Guide, p 22) Immunizations as appropriate (e.g., rabies, tetanus) and tests as appropriate (Guide, p 22) o Procedures for reporting and treating injuries, including accidents, bites, allergies, etc. (Guide, p 23) Promotes early diagnosis of allergies including preexisting conditions (Guide, p22)						
•	Personal Protective Equipment for the work area is appropriate and available (Guide, p 21) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history (Guide, p 22) Immunizations as appropriate (e.g., rabies, tetanus) and tests as appropriate (Guide, p 22) o Procedures for reporting and treating injuries, including accidents, bites, allergies, etc. (Guide, p 23) Promotes early diagnosis of allergies including preexisting conditions (Guide, p22) o Considers confidentiality and other legal factors as						
•	Personal Protective Equipment for the work area is appropriate and available (Guide, p 21) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history (Guide, p 22) Immunizations as appropriate (e.g., rabies, tetanus) and tests as appropriate (Guide, p 22) o Procedures for reporting and treating injuries, including accidents, bites, allergies, etc. (Guide, p 23) Promotes early diagnosis of allergies including preexisting conditions (Guide, p22)						\
• • • • • • • • • • • • • • • • • • • •	Personal Protective Equipment for the work area is appropriate and available (Guide, p 21) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history (Guide, p 22) Immunizations as appropriate (e.g., rabies, tetanus) and tests as appropriate (Guide, p 22) Procedures for reporting and treating injuries, including accidents, bites, allergies, etc. (Guide, p 23) Promotes early diagnosis of allergies including preexisting conditions (Guide, p22) Considers confidentiality and other legal factors as required by federal, state and local regulations (Guide, p22) If serum samples are collected, the purpose is consistent						
•	Personal Protective Equipment for the work area is appropriate and available (Guide, p 21) Program for medical evaluation and preventive medicine for personnel includes: Pre-employment evaluation including health history (Guide, p 22) Immunizations as appropriate (e.g., rabies, tetanus) and tests as appropriate (Guide, p 22) o Procedures for reporting and treating injuries, including accidents, bites, allergies, etc. (Guide, p 23) Promotes early diagnosis of allergies including preexisting conditions (Guide, p22) o Considers confidentiality and other legal factors as required by federal, state and local regulations (Guide.						

D. d not review this session

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

Semiannual Program Review/Veterinarian Checklist

•	Hearing protection is provided in high noise areas (Guide, p 22)	-	-				
•	Respiratory protection is available when performing airborne particulate work (Guide, p 22)						
1	10. Personnel Security	A	М	S	C	NA	DK
•	Preventive measures in place include pre-employment screening, and physical and IT security (Guide, p 23)						
	11. Investigating & Reporting Animal Welfare Concerns	A	M	S	C	NA	DK
Metho are est	ds for investigating and reporting animal welfare concerns tablished (Guide, p 23)						
•	Reported concerns and corrective actions are documented (Guide, p 24)						
Mecha applica	nisms for reporting concerns are posted in facility and at able website with instructions (Guide, p 24)		_	_			
•	Includes multiple contacts (Guide, p 24)	10.5					_
	Includes anonymity, whistle blower policy, nondiscrimination and reprisal protection (Guide, p. 24)						

A = acceptable

M = minor deficiency

S = significant deficiency (is or may be a threat to animal health or safety)

C = change in program (PHS Policy IV.A.1.a.-i.) (Include in semiannual report to IO and in annual report to OLAW)

NA = not applicable

DK = Don't know



1. Ve	terinary Care	A	M	S	C	NA	DK
•	An arrangement for veterinarian(s) with training or experience in lab animal medicine is in place including backup veterinary care						
•	Veterinary access to all animals is provided (Guide, p 14)						-
•	Direct or delegated authority is given to the veterinarian to oversee all aspects of animal care and use (Guide, p 14)						
•	Veterinarian provides consultation when pain and distress exceeds anticipated levelin protocol (Guide, p. 5)						
•	Veterinarian provides consultation when interventional control is not possible (<i>Guide</i> , p 5)		1				
•	Regular communication occurs between veterinarian and IACUC (Guide, p 14)				\		
•	Veterinarian(s) have experience and training in species used (<i>Guide</i> , p 15)						
•	Veterinarian(s) have experience in facility administration/management (Guide, p 15)						
•	2. Clinical Care and Management - Veterinary	A	M	S	C	NA	DK
•	Veterinary program offers high quality of care and ethical standards (<i>Guide</i> , p 105)						
•	Veterinarian provides guidance to all personnel to ensure appropriate husbandry, handling, treatment, anesthesia, analgesia, and euthanasia (<i>Guide</i> , p106)						
•	Veterinarian provides oversight to surgery and perioperative care (Guide, p 106)						
•	Veterinary care program is appropriate for program requirements (Guide, pp 113-114)						

Obtained by Rise for Animals.

Uploaded to Animal Research District (ARSO) on 09/23/2022 **Lindsey G001813**

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

Semiannual Program Review/Veterinarian Checklist Date:

	•	Veterinarian(s) is familiar with species and use of animals and has access to medical and experimental treatment records (Guide, p 114)						
	•	Procedures to triage and prioritize incident reports are in place (Guide, p 14)	+					
Pr	oce	dures are in place to address:						
		Problems with experiments to determine course of						
		treatment in consultation with investigator(Guide, p 114)						
		Recurrent or significant health problems with the	1			+	-	-
		IACUC and documentation of treatments and						
		outcomes (Guide, p 114)						
		 Veterinary review and oversight of medical and 				-	-	-
		animal use records (Guide, p 115)		-				
		 Procedures established for timely reporting of 			1	1		1
1		animal injury, illness, or disease (Guide, p 114)						
	•	Procedures established for veterinary assessment.						
		treatment, or euthanasia (Guide, p114)						1
	•	Veterinarian is authorized to treat, relieve pain, and/or						
		euthanize (Guide, p114)						
		3. Animal Procurement&	A	M	S	С	NA	DK
1	-	Transportation/Preventative Medicine						
	,	Procedures for lawful animal procurement are in place (Guide, p 106)						
		Sufficient facilities and expertise are confirmed prior to						
-	4	procurement (Guide, p 106)						
	•	Procurement is linked to IACUC review and approval (Guide, p 106)			-			
		Random source dogs and cats are inspected for						
		identification (Guide, p 106)						
	•	Population status of wildlife species is considered prior to procurement (<i>Guide</i> , p 106)						1
	•	Appropriate records are maintained on animal acquisition (Guide, p 106)						
	•	Animal vendors are evaluated to meet program needs and quality (<i>Guide</i> , p 106)						
	•	Breeding colonies are based on need and managed to						
_		minimize numbers (Guide, p 107)						
	•	Procedures for compliance with animal transportation			111			
		regulations, including international requirements, are in						
-		place (Guide, p 107)						
		Transportation is planned to ensure safety, security and minimize risk (<i>Guide</i> , p 107)						
		Movement of animals is planned to minimize transit time						
		and deliveries are planned to ensure receiving personnel						
		are available (Guide, pp 10/- 108)						1
		Appropriate loading and unloading facilities are available	1		_			
		(Guide, p 109)		1				
	•	Environment at receiving site is appropriate (Guide, p 109)			/			
	•	Policies in place on separation by species, source, and health status (<i>Guide</i> , pp 109, 111-112)			1			
	•	Procedures in place for quarantine to include zoonoses				1		
		prevention (Guide, p 110)					1	
	•	Quarantined animals from different shipments are handled separately orphysically separated (<i>Guide</i> , p 110)					1	
	•	Procedures in place for stabilization/acclimation (Guide, no 110-111)						
	•	Policies in place for isolation of sick animals (<i>Guide</i> , p 112)	-		-			
		(Carac, p 112)						

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

Semiannual Program Review/Veterinarian Checklist Date:

	Program is in place for surveillance, diagnosis, treatment and control of disease to include daily observation (Guide, p 112)	1					
•	Diagnostic resources are available for preventive health				+		+
	program (Guide, p 112) 4. Surgery			-	-		
		Α	M	S	C	NA	D
`	Surgical outcomes are assessed and corrective changes instituted (Guide, p 115)						
•	Researchers have appropriate training to ensure good technique (Guide, p 115)						
•	Pre-surgical plans are developed and include veterinary input (e.g., location, supplies, anesthetic and analgesic use, peri-operative care, recordkeeping) (Guide, p 116						
•	Aseptic surgery is conducted in dedicated facilities or spaces, unless exception justified and IACUC approved (Guide, p 116)						
•	Surgical procedures including laparoscopic procedures are categorized as major or minor (Guide, pp 117-118)						
•	For nonsurvival surgery, the site is clipped, gloves are worn and instruments and area are clean (Guide, p 118)						
•	Aseptic technique is followed for survival surgical procedures (Guide, pp 118-119)						
•	Effective procedures for sterilizing instruments and monitoring expiration dates on sterile packs are in place (Guide, p 119)	\					
•	Procedures for monitoring surgical anesthesia and analgesia are in place (Guide, p. 119			\			
•	Post-operative monitoring and care are provided by trained personnel and documented (e.g., thermoregulation, physiologic function, analgesia, infection, removal of skin closures) (Guide, pp 119-120)					/	
	5. Pain, Distress, Anesthesia and Analgesia	A	M	S	C	NA	DH
•	Guidelines for assessment and categorization of pain, distress and animal wellbeing are provided during training (Guide, p 121)			3		NA	Di
•	Selection of analgesics and anesthetics is based on professional veterinary judgment (Guide, p 121)						
•	Painful procedures are monitored to ensure appropriate analgesic management (Guide, p. 127)						
•	Nonpharmacologic control of pain is considered as an element of postprocedural care (<i>Guide</i> , p. 122)						
•	Guidelines for selection and use of analgesics and anesthetics are in place and regularly reviewed and updated (<i>Guide</i> , p 122)		\	_	/	/	
•	Special precautions for the use of paralytics are in place to ensure anesthesia (<i>Guide</i> , p 123)						
•	6. Euthanasia	Α	M	S	С	NA	D.
•	Methods are consistent with AVMA Guidelines on Euthanasia unless approved by the IACUC (Guide, p 123)	A	IVI	3	L	NA	DK
•	Standardized methods are developed and approved by the veterinarian and IACUC that avoid distress and consider animal age and species (Guide, pp 123-124)						
	and age and species (Guide, DD 123-174)						

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

Semiannual Program Review/Veterinarian Checklist Date:

•	Procedures and training are in place to ensure death is confirmed (Guide, p 124)						
	7. Drug Storage and Control	A	М	S	C	NA	DK
•	Program complies with federal regulations for human and veterinary drugs(Guide, p 115)						DI
•	Drug records and storage procedures are reviewed during facility inspections (<i>Guide</i> , p 115)						
•	Procedures are in place to ensure analgesics and anesthetics are used within expiration date (Guide, p 122)		_	_			
•	Anesthetics and analgesics are acquired, stored, and their use and disposal are recorded legally and safely (<i>Guide</i> , p 122)						

M = minor deficiency

S = significant deficiency (is or may be a threat to animal health or safety)

 $\mathbf{C} = \text{change in program (PHS Policy IV.A.1.a.-i.})}$ (Include in semiannual report to IO and in annual report to OLAW)

NA = not applicable

DK = Don't know



DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

I. Semiannual Facility Inspection Checklist

Terrestrial Animal Housing and Support Areas

Date: November 2021 Location: WTAMU Feedlot, 2950 E Nance Rd, Canyon, TX 79015

		Α*	М	S	С	MA
Loca	tion:	/				
0 8	nimal areas separate from personnel areas (Guide, p 134)	1	-			
0 5	eparation of species (Guide, p 111)	1	-			
0 5	eparation by disease status (Guide, p 111)	1				
0 5	ecurity and access control (Guide, p 151)	/				
	struction:					
0 (corridors (Guide, p 136)	~				
0 6	nimal room doors (Guide, p 137)					-
	exterior windows (Guide, p 137)					V
	loors (Guide, p 137)		/			~
	drainage (Guide, p 138)	V				
0 1	walls and ceilings (<i>Guide</i> , p 138)					V
0 1	neating ventilation and air conditioning (Guide, p 139)		1			V
	power and lighting (Guide, p 141)	/				
0	noise control (Guide, p 142)	/				
0 1	vibration control (Guide, p 142)		/			
0 '	environmental monitoring (<i>Guide</i> , p. 143)	/				
• Roo	m/Cage:					V
0	remperature and humidity (<i>Guide</i> , p. 43)					V
0	ventilation and air quality (Guide, p 45)					V
0	Illumination (Guide, p 47)					~
	noise and vibration (Guide, p 49)					
 Prir 	nary Enclosure:	./	1	T		
0	space meets physiologic, behavioral i, and social needs (Guide, pp 51, 55-63)	1				T
0	secure environment provided (<i>Guide</i> , p.51)	/				1
0	durable, nontoxic materials in good repair and no risk of injury (Guide, p 51)	V	-			
0	flooring is safe and appropriate for species (Guide, p 51)	V	-	-		+
0	adequate bedding and structures for resting, sleeping, breeding (Guide, p 52)	. /		-		+
0	objective assessments of housing and management are made (Guide, p 52)	V	/	+	-	+
0	procedures for routine husbandry are documented (Guide, p 52)	4			-	+
0	socially housed animals can escape or hide to avoid aggression (Guide, p 55)		+	-	-	-
0	cage height provides adequate clearance (Guide, p 56)			+		-
0	animals express natural postures, can turn around, access food and water, and	V				
	rest away from urine and feces (<i>Guide</i> , p 56) [must]		-			
0	rationale ⁱⁱⁱ for <i>Guide</i> /USDA space exceptions approved by IACUC and based on	V				
	performance indices (<i>Guide</i> , <u>p. 56</u>)					1
0	dogs and cats allowed to exercise and provided human interaction (Guide, p 58)		1	1		
0	nonhuman primates are socially housed except for scientific, veterinary or behavior reasons (<i>Guide</i> , pp 58-59)		4			1
0	single housing of nonhuman primates is for shortest duration possible (<i>Guide</i> , <u>p</u> 60)					,
0	opportunities for release into larger enclosures is considered for single caged nonhuman primates (<i>Guide</i> , p 60)		/			1
0	agricultural animals are housed socially (<i>Guide</i> , p 60)	V	1			
0	food troughs and water devices for agricultural animals allow access for all animals	5				
0	(Guide, p. 60)	V				
• En	vironmental Enrichment, Behavioral and Social Management:		1			
0	structures and resources promote species typical behavior (Guide, pp 52-54)	-	/			
0	novelty of enrichment is considered (<i>Guide</i> , p 53)	V				

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

	0	species specific plans for housing including enrichment, behavior and activity are developed and reviewed regularly by IACUC, researchers and veterinarian (Guide,		
		pp 53, 58, 60, 63)		_
	0	animal care personnel receive training to identify abnormal animal behaviors (Guide, p 53)		
	0	stability of pairs or groups is monitored for incompatibility (Guide, p. 64)		
	0	single housing is justified for social species (Guide, p. 64)		
	0	single housing is limited to the minimum period necessary (Guide, p 64)		
	0	additional enrichment for single housed animals is provided (Guide, p. 64)		
		single housing is reviewed regularly by IACUC and veterinarian (Guide, p 64)		
	0	habituation to routine procedures is part of enrichment program (Guide, p 64)		V
100	o Ch	eltered or Outdoor Housing: (e.g., barns, corrals, pastures, islands)		
•		weather protection and opportunity for retreat (Guide, p 54) [must]		
	0	appropriate size (Guide, p 54)		
	0	ventilation and sanitation of shelter (no waste/moisture build-up) (Guide, p 54)	V.	
	0	ventilation and satisfaction of sheller (no waste/moisture band up) (edito) point		
	0	animal acclimation (Guide, p 55)	1	
	0	social compatibility (Guide, p 55)	V	
	0	roundup/restraint procedures (Guide, p 55)	/	
	0	appropriate security (Guide, p 55)		
•	Na	ituralistic Environments:		
	0	animals added /removed with consideration of effect on group (Guide, p 55)	V	
	0	adequate food, fresh water, and shelter ensured (Guide, p 55)		
		od:		
	0	feeding schedule and procedures including caloric intake management (<i>Guide</i> , pp 65-67)	~	
	-	contamination prevention (<i>Guide</i> , <u>p 65</u>)		
	0	vendor quality control (<i>Guide</i> , <u>p 66</u>)	~	
	0	storage in sealed containers (<i>Guide</i> , <u>p 66</u>)		
	0	Storage III Sealed Colling (Cuido p. 66)		
	0	expiration date labeling (<i>Guide</i> , <u>p 66</u>)	1	
	0	vermin control (<i>Guide</i> , <u>p 66</u>)		
	0	rotation of stocks (<i>Guide</i> , <u>p 66</u>)		
•	W	ater:	./	
	0	ad libitum unless justified (Guide, pp 67-68)	1/	
	0	QC procedures (Guide, pp 67-68)		
	Be	edding and Nesting Materials:		
	0	species appropriate (Guide, pp 68-69)		
	0	keeps animals dry (Guide, pp 68-69)	V	
	0	QC procedures (Guide, pp 68-69)	V	
	0	minimizes scientific variables (Guide, pp 68-69)		
		anitation:		
	0	frequency of bedding/substrate change (Guide, p 70)		
		cleaning and disinfection of microenvironment (<i>Guide</i> , pp 70-71)	V	
	0	cleaning and disinfection of macroenvironment (<i>Guide</i> , <u>p 72</u>)		
		assessing effectiveness (Guide, p 73)		
	0			
•		/aste Disposal:	1/	
	0	procedures for collection (<i>Guide</i> , pp 73-74)		
	0	procedures for storage and disposal (<i>Guide</i> , pp 73-74)		
	0	74) [must]		
	0			
	P	est Control:	-	
	0	regularly scheduled (Guide, p.74)	~	
	0	to the description of the second of the second insection of the second insecti		
	0	p 74)		
	-	mergency, Weekend, and Holiday Animal Care:		
		11-1 by mulified normannal ayany day (Guide n 71)		
	0	:		
-	0	monitoring of backup systems (<i>Guide</i> , p 143)		
	0	HIGHER HIG OF DECKUD SYSTEMS (OURCE) D. 1 10/		

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

			-			
	0	veterinary care available after hours, weekends, and holidays (<i>Guide</i> , pp 74, 114) [must]	1			
	0	a disaster plan that takes into account both personnel and animals (Guide, p 75)	1			_
	Id	entification:				
	0	cage/rack cards contain required information (Guide, p 75)			-	
	0	genotype information included and standardized nomenclature used when applicable (<i>Guide</i> , p. 75)				_
	Re	cordkeeping:	./	-		
	0	clinical records accessible and contain appropriate information (Guide, pp /5-/6)	V			-
	0	records are provided when animals are transferred between institutions (<i>Guide</i> , p. 75)	V			
	Br	eeding Genetics and Nomenclature:				-
	0	appropriate genetic records, management and monitoring procedures (<i>Guide</i> , <u>p</u>				
	0	phenotypes that affect wellbeing are reported to IACUC and effectively managed (Guide, p 77)				
	St	orage:	-			-
	0	adequate space for equipment, supplies, food, bedding and refuse (Guide, p 141)	-			-
	0	bedding in vermin-free area and protected from contamination(Guide, p 141)	~			-
	0	food in vermin-free, temperature and humidity controlled area and protected from contamination (<i>Guide</i> , p 141)	/			
	0	refuse storage is separate (Guide, p 141)	V			-
	0	carcass and animal tissue storage is separate, refrigerated below 7°C and cleanable (<i>Guide</i> , p 141)	V			
	P	ersonnel:	1		_	-
	0	adequate space for locker rooms, administration and training (Guide, p 135)	V			
* A		econtable				

A = acceptable

S = significant deficiency (is or may be a threat to animal health or safety) **C** = change in program (PHS Policy <u>IV.A.1.a.-i.</u>) (include in semiannual report to IO and in annual report to OLAW)

NA = not applicable

NOTES:

DocuSigned by:

Vouna Byers -29ED86E14FA749D...

I. Semiannual Facility Inspection Checklist

Terrestrial Animal Housing and Support Areas

Date: November 2021

	ion: Nance Ranch, 3450 E Nance Road, Canyon, TX 79015	\mathbf{A}^*	M	S	C	NA
	Location:		,			
	o animal areas separate from personnel areas (Guide, p 134)	0				-
	separation of species (Guide, p 111)					-
	o separation by disease status (Guide, p 111)	V	_			-
	o security and access control (Guide, p 151)	-				
			/			
	o corridors (Guide, p 136) exposed nails in bain corridor		V			-
	o animal room doors (Guide, p 137)	/				-
	o exterior windows (Guide, p 137)					L
	o floors (Guide, p 137)	/				-
	o drainage (Guide, p 138)	V				
	o walls and ceilings (<i>Guide</i> , p 138)	V				1
	o heating ventilation and air conditioning (Guide, p 139)	V				
	o power and lighting (<i>Guide</i> , p 141)	0				1
	o noise control (Guide, p 142)	V				
	o vibration control (<i>Guide</i> , p 142)	V	-			
	o environmental monitoring (Guide, p 143)	V				
	Room/Cage:					
2	o temperature and humidity (<i>Guide</i> , p 43)					
	o ventilation and air quality (Guide, p 45)					1
	o illumination (<i>Guide</i> , p 47)					i
	o noise and vibration (Guide, p 49)					1
	Primary Enclosure:		_			
-	o space meets physiologic, behavioral i, and socialii needs (<i>Guide</i> , pp 51, 55-63)	V				
	o secure environment provided (<i>Guide</i> , p 51)	V				
	o durable, nontoxic materials in good repair and no risk of injury (<i>Guide</i> , <u>p 51</u>)	1				
	o flooring is safe and appropriate for species (<i>Guide</i> , <u>p 51</u>)	V				
	Level beddies and structures for rooting clooning breeding (Guide n 52)	V				
	1: 1: and a second of baseing and management are made (Guide n 52)	V				
	ture for morting bushandar are documented (Guide n 52)	V				
	is the beautiful and account or hide to avoid aggression (Guide n 55)	V				
	1 : 11 idea adaquata alaswanca (Cuido n E6)					1
	in the second process can turn around access food and water and	1	-			
	rest away from urine and feces (<i>Guide</i> , <u>p 56</u>) [must]	V				
	o rationale for Guide/USDA space exceptions approved by IACUC and based on	.,	-			
	performance indices (<i>Guide</i> , p 56)	V				
	de and ante allegged to exercise and provided human interaction (Guide n 58)					- 1
	o nonhuman primates are socially housed except for scientific, veterinary or					1
	behavior reasons (<i>Guide</i> , pp 58-59)					
	o single housing of nonhuman primates is for shortest duration possible (Guide, p					i
	60)					
	o opportunities for release into larger enclosures is considered for single caged					1.4
	nonhuman primates (<i>Guide</i> , p 60)		_			3
	o agricultural animals are housed socially (Guide, p 60)	V				
	o food troughs and water devices for agricultural animals allow access for all anima	ls	/			
	(<i>Guide</i> , p 60)	V				
	Environmental Enrichment, Behavioral and Social Management:		,			
•	to the sent recognition of the sent of the	V				
	o novelty of enrichment is considered (<i>Guide</i> , p. 53)	~				

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

	0	species specific plans for housing including enrichment, behavior and activity are developed and reviewed regularly by IACUC, researchers and veterinarian (<i>Guide</i> , pp 53, 58, 60, 63)	V		
	0	animal care personnel receive training to identify abnormal animal behaviors	/		
		(Guide, p 53) stability of pairs or groups is monitored for incompatibility (Guide, p 64)	1		
	0	single housing is justified for social species (Guide, p 64)			-
_	0	single housing is limited to the minimum period necessary (Guide, p 64)			
	0	additional enrichment for single housed animals is provided (Guide, p 64)			
	0	single housing is reviewed regularly by IACUC and veterinarian (Guide, p 64)			
	0	habituation to routine procedures is part of enrichment program (<i>Guide</i> , p 64)			
	0	eltered or Outdoor Housing: (e.g., barns, corrals, pastures, islands)			
•		weather protection and opportunity for retreat (Guide, p 54) [must]	V		
	0	weather protection and opportunity for recreat (ounder, <u>p. 5.1</u>) [mass]	1		
	0	appropriate size (<i>Guide</i> , <u>p 54</u>) ventilation and sanitation of shelter (no waste/moisture build-up) (<i>Guide</i> , <u>p 54</u>)	1/		
	0	ventilation and sanitation of sheller (no wastermoisture band up) (career grant	-		
	0	animal acclimation (Guide, p 55)	.,		
	0	social compatibility (Guide, p 55)	V		
	0	roundup/restraint procedures (Guide, p 55)	V		
	0	appropriate security (Guide, p 55)	-		
•	Na	aturalistic Environments:	1/		
	0	animals added /removed with consideration of effect on group (Guide, p 55)		/	-
	0	adequate food, fresh water, and shelter ensured (Guide, p 55)	-		
	Fo	od:			
	0	feeding schedule and procedures including caloric intake management (Guide, pp 65-67)	/		
	0	contamination prevention (<i>Guide</i> , <u>p 65</u>)	V		
		vendor quality control (<i>Guide</i> , <u>p 66</u>)	V		
	0	storage in sealed containers (<i>Guide</i> , <u>p 66</u>)	U		
_	0	expiration date labeling (<i>Guide</i> , <u>p 66</u>)	L		
	0		-		
	0	vermin control (<i>Guide</i> , <u>p</u> 66)	L		
	0	rotation of stocks (<i>Guide</i> , <u>p 66</u>)			
•		ater:		/	
	0	ad libitum unless justified (<i>Guide</i> , pp 67-68)	L		
	0	QC procedures (Guide, pp 67-68)			
•	В	edding and Nesting Materials:			
	0			/	
	0	keeps animals dry (Guide, pp 68-69)		/	
	0	QC procedures (Guide, pp 68-69)	-	/	
		minimizes scientific variables (Guide, pp 68-69)	V		
	S	anitation:	1	/	
	0	frequency of bedding/substrate change (Guide, p 70)	-		
	0	cleaning and disinfection of microenvironment (Guide, pp 70-71)	V	1	-
	0	cleaning and disinfection of macroenvironment (Guide, p 72)	V	/	
	0	assessing effectiveness (Guide, p 73)	U		
	V	/aste Disposal:		1	_
	0	procedures for collection (Guide, pp 73-74)	v		
	0	procedures for storage and disposal (Guide, pp 73-74)	V	/,	
	0	the same transferred cofe before removal from facility (Guide no 73-	1		
	O	74) [must]	-		
	0	1 1 77 70 71 71			
-		est Control:		1	
		led a shad ded (Cuido n 74)	V		
	0		, ,	/	
	0	p 74)			
	E	mergency, Weekend, and Holiday Animal Care:		/	
	0	care provided by qualified personnel every day (Guide, p 74)		1	-
	0	provision for accessible contact information (Guide, p 74)	V	/	-
	0	monitoring of backup systems (Guide, p 143)	-	10	

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

0	veterinary care available after hours, weekends, and holidays (<i>Guide</i> , pp 74, 114) [must]	
0	a disaster plan that takes into account both personnel and animals (Guide, p 75)	
Id	entification:	
0	cage/rack cards contain required information (Guide, p 75)	
0	genotype information included and standardized nomenclature used when applicable (<i>Guide</i> , p 75)	
Re	cordkeeping:	
0	clinical records accessible and contain appropriate information (Guide, pp 75-76)	
0	records are provided when animals are transferred between institutions ($Guide$, p 75)	
Br	eeding Genetics and Nomenclature:	
0	appropriate genetic records, management and monitoring procedures ($Guide$, p 76)	
0	phenotypes that affect wellbeing are reported to IACUC and effectively managed (Guide, p 77)	
St	orage:	
0	adequate space for equipment, supplies, food, bedding and refuse (Guide, p 141)	
0	bedding in vermin-free area and protected from contamination(Guide, p 141)	
0	food in vermin-free, temperature and humidity controlled area and protected from contamination (<i>Guide</i> , p 141)	
0	refuse storage is separate (Guide, p 141)	
0	carcass and animal tissue storage is separate, refrigerated below 7°C and cleanable (Guide, p 141)	
Pe	ersonnel:	/
0	adequate space for locker rooms, administration and training (Guide, p 135)	

* A = acceptable

M = minor deficiency

S = significant deficiency (is or may be a threat to animal health or safety)

C = change in program (PHS Policy IV.A.1.a.-i.) (include in semiannual report to IO and in annual report to OLAW)

NA = not applicable

Exposed rails on north wall of barn sticking into corridor

11/23/21

11/2/21

Docusigned by:

Donna Byers 29ED86E14FA749D...

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

I. Semiannual Facility Inspection Checklist

Terrestrial Animal Housing and Support Areas

Date: November 2021 Location: VERO, 2501 4th Ave, Canyon, TX 79016

		A*	M	S	C	NA
	Location:	,				
	o animal areas separate from personnel areas (Guide, p 134)	/				-
	o separation of species (Guide, p 111)	V				-
	 separation by disease status (Guide, p 111) 	1				-
	o security and access control (Guide, p 151)	V				
•	Construction:					
	o corridors (Guide, p 136)	/				
	o animal room doors (<i>Guide</i> , p 137)	1				1
	o exterior windows (Guide, p 137)	1				
	o floors (Guide, p 137)					
	o drainage (<i>Guide</i> , p 138)	7				
-	11 1 111 - (0.14 120)	/				
	· · · · · · · · · · · · · · · · · · ·	V				
	10.10. (0.14 144)	V				
		/				
		1				\top
	o vibration control (<i>Guide</i> , p. 142)	1				T
	environmental monitoring (Guide, p 143)	V	-			+
•	Room/Cage:					Ti
	o temperature and humidity (<i>Guide</i> , p 43)	1	-	-		
	o ventilation and air quality (Guide, p 45)	-	-	1	-	4
	o illumination (<i>Guide</i> , <u>p 47</u>)	+	-		-	+
	o noise and vibration (<i>Guide</i> , <u>p 49</u>)		1			-
•	Primary Enclosure:	1	-			V
	o space meets physiologic, behavioral i, and socialii needs (Guide, pp 51, 55-63)	-	-	-	+-	V
	o secure environment provided (<i>Guide</i> , <u>p 51</u>)	-	-	-	1	-
	o durable, nontoxic materials in good repair and no risk of injury (Guide, p 51)	-	-	-	-	-
	o flooring is safe and appropriate for species (Guide, p 51)		-	-	-	2
	o adequate bedding and structures for resting, sleeping, breeding (Guide, p 52)					1
	o objective assessments of housing and management are made (Guide, p 52)					·
	procedures for routine husbandry are documented (Guide, p 52)					~
	o socially housed animals can escape or hide to avoid aggression (Guide, p 55)					v
	o cage height provides adequate clearance (Guide, p 56)					-
	o animals express natural postures, can turn around, access food and water, and rest away from urine and feces (<i>Guide</i> , <u>p 56</u>) [must]					L
	I III C. C. I - III CDA averations approved by TACLIC and based on					
	performance indices (<i>Guide</i> , p. 56)					i
						1
	the second second for extending veterinant or		+			1
	behavior reasons (Guide, pp 58-59)		4		-	é
	 single housing of nonhuman primates is for shortest duration possible (Guide, p 60) 					L
	 opportunities for release into larger enclosures is considered for single caged nonhuman primates (<i>Guide</i>, p. 60) 					4
	 agricultural animals are housed socially (Guide, p 60) 					13
	 food troughs and water devices for agricultural animals allow access for all animal (Guide, p 60) 	S				1
102	Environmental Enrichment, Behavioral and Social Management:					- 1-
•			1	T	T	
	o structures and resources promote species typical behavior (Guide, pp 32-34) o novelty of enrichment is considered (Guide, p 53)	+	+			1

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

	0	species specific plans for housing including enrichment, behavior and activity are developed and reviewed regularly by IACUC, researchers and veterinarian (<i>Guide</i> , pp 53, 58, 60, 63)		V
	0	animal care personnel receive training to identify abnormal animal behaviors (Guide, p 53)		
	0	stability of pairs or groups is monitored for incompatibility (Guide, p 64)		/
	0	single housing is justified for social species (Guide, p 64)		/
	0	single housing is limited to the minimum period necessary (Guide, p 64)		
	0	additional enrichment for single housed animals is provided (Guide, p 64)		/
	0	single housing is reviewed regularly by IACUC and veterinarian (Guide, p 64)		
	0	habituation to routine procedures is part of enrichment program (Guide, p 64)		
		eltered or Outdoor Housing: (e.g., barns, corrals, pastures, islands)		
	0	weather protection and opportunity for retreat (Guide, p 54) [must]		
	0	appropriate size (Guide, p 54)		/
		ventilation and sanitation of shelter (no waste/moisture build-up) (Guide, p 54)		/
	0			/
	0	social compatibility (<i>Guide</i> , p 55)		/
		roundup/restraint procedures (Guide, p 55)		/
	0	11 (2:1/- 55)		
		aturalistic Environments:		
	0			
	0	adequate food, fresh water, and shelter ensured (Guide, p 55)		
		od:		
		feeding schedule and procedures including caloric intake management (Guide, pp		
		65-67)		~
	0	contamination prevention (Guide, p 65)		
	0	vendor quality control (Guide, p 66)		
	0	storage in sealed containers (Guide, p 66)		
	0	expiration date labeling (Guide, p 66)		/
	0	vermin control (<i>Guide</i> , p 66)		/
	0	rotation of stocks (Guide, p 66)		1
		ater:		
	0	ad libitum unless justified (Guide, pp 67-68)		
	0	QC procedures (Guide, pp 67-68)		V
•	Ве	edding and Nesting Materials:		
	0	species appropriate (Guide, pp 68-69)		
	0	keeps animals dry (Guide, pp 68-69)		/
		QC procedures (Guide, pp 68-69)		
	0	7. 1		/
	Sa	anitation:		
	0	frequency of bedding/substrate change (Guide, p 70)		/
	0	cleaning and disinfection of microenvironment (Guide, pp 70-71)		
	0	cleaning and disinfection of macroenvironment (Guide, p. 72)		
	0	assessing effectiveness (Guide, p 73)		
	W	aste Disposal:		
	0	procedures for collection (Guide, pp 73-74)	/	
	0	procedures for storage and disposal (Guide, pp 73-74)	~	
	0	hazardous wastes are rendered safe before removal from facility (Guide, pp 73-		
		74) [must]	1	
	0			
	Pe	est Control:		
	0	regularly scheduled (Guide, p 74)	~	
	0			
		p 74)		
•	E	mergency, Weekend, and Holiday Animal Care:		
	0	care provided by qualified personnel every day (Guide, p 74)		
	0	provision for accessible contact information (Guide, p 74)		
	0	monitoring of backup systems (Guide, p 143)		

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

	C	veterinary care available after hours, weekends, and holidays (<i>Guide</i> , pp 74, 114) [must]		~
	c	a disaster plan that takes into account both personnel and animals (Guide, p 75)		
	• I	dentification:		
	C	cage/rack cards contain required information (Guide, p. 75)		
	C	genotype information included and standardized nomenclature used when applicable (Guide, p 75)		/
	• F	Recordkeeping:		
	C	omination (Guide, pp /5-76)		· ·
	C	records are provided when animals are transferred between institutions ($Guide$, p 75)		~
	• E	reeding Genetics and Nomenclature:		
	O			V
	O	phenotypes that affect wellbeing are reported to IACUC and effectively managed (Guide, p 77)		0
	• S	torage:		
	0	and and opace for equipment, supplies, rood, beduing and refuse (Guide, I) [4]	11	
	0	bedding in vermin-free area and protected from contamination(Guide, p 141)		-
	0	food in vermin-free, temperature and humidity controlled area and protected from contamination (<i>Guide</i> , p 141)		V
	0		1/	
	0		V	
	. P	ersonnel:		
*	ο Δ = a	adequate space for locker rooms, administration and training (Guide, p 135)	V	

M = minor deficiency

S = significant deficiency (is or may be a threat to animal health or safety)

C = change in program (PHS Policy IV.A.1.a.-i.) (include in semiannual report to IO and in annual report to OLAW)

NA = not applicable

NOTES:

Skills Pab-Remove clutter in front of eye wash station of keys clear at all times Ceiling in corder repaired since last impection Refrigeratore are labeled for human I nonhuman first

I. Semiannual Facility Inspection Checklist

Terrestrial Animal Housing and Support Areas

Date: November 2021

		\mathbf{A}^*	M	S	C NA
	Location:	/			
	o animal areas separate from personnel areas (Guide, p 134)	-	1		
	o separation of species (Guide, p 111)	V			
	o separation by disease status (Guide, p 111)	,	/		
	o security and access control (Guide, p 151)	V			
	Construction:				
	o corridors (<i>Guide</i> , <u>p 136</u>)				
	o animal room doors (<i>Guide</i> , p 137)	1			
	o exterior windows (<i>Guide</i> , p 137)		-		~
	o floors (Guide, p 137)	-			
	(0 :/ - 120)	1			
		-			
		V			
	1010 (0.14 141)	/			
		1			
		1	1		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	/			
	Room/Cage: o temperature and humidity (Guide, p 43)	V	1		
		1	*		
		/			
	o illumination (<i>Guide</i> , p.47)	1/			
	o noise and vibration (Guide, p 49)		1		
	Primary Enclosure:	V			
	o space meets physiologic, behavioral i, and socialii needs (<i>Guide</i> , pp 51, 55-63)	1/	1		
	o secure environment provided (<i>Guide</i> , p.51)	1	,	1	
	o durable, nontoxic materials in good repair and no risk of injury (Guide, p 51)	V			
	o flooring is safe and appropriate for species (Guide, p 51)	/		1	
	o adequate bedding and structures for resting, sleeping, breeding (Guide, p 52)	1		+ -	
	o objective assessments of housing and management are made (Guide, p 52)	11	1	-	-
	o procedures for routine husbandry are documented (Guide, p.52)		-	+	-
	o socially housed animals can escape or hide to avoid aggression (Guide, p 55)		-	+	
	o cage height provides adequate clearance (Guide, p 56)		1	-	
	 animals express natural postures, can turn around, access food and water, and rest away from urine and feces (Guide, p 56) [must] 	V			
	 rationaleⁱⁱⁱ for Guide/USDA space exceptions approved by IACUC and based on performance indices (Guide, p 56) 	/			
	o dogs and cats allowed to exercise and provided human interaction (Guide, p 58)				L
	 nonhuman primates are socially housed except for scientific, veterinary or behavior reasons (Guide, pp 58-59) 				ب
	 single housing of nonhuman primates is for shortest duration possible (Guide, p 60) 				L
	 opportunities for release into larger enclosures is considered for single caged nonhuman primates (Guide, p 60) 				-
	o agricultural animals are housed socially (Guide, p 60)				L
	o food troughs and water devices for agricultural animals allow access for all anima	s			
	(Guide, p 60)		-		-
	Environmental Enrichment, Behavioral and Social Management:	/	, D		
-	o structures and resources promote species typical behavior (<i>Guide</i> , pp 52-54)		/		

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

	0	species specific plans for housing including enrichment, behavior and activity are developed and reviewed regularly by IACUC, researchers and veterinarian (<i>Guide</i> , pp 53, 58, 60, 63)	/			
	0	animal care personnel receive training to identify abnormal animal behaviors (Guide, p 53)	V			/
	0	stability of pairs or groups is monitored for incompatibility (<i>Guide</i> , p 64)				
	0	single housing is justified for social species (Guide, p 64)	V	/		
	0	single housing is limited to the minimum period necessary (<i>Guide</i> , p 64)	V			
	0	additional enrichment for single housed animals is provided (<i>Guide</i> , p. 64)	1			
	0	single housing is reviewed regularly by IACUC and veterinarian (<i>Guide</i> , p 64)	V	/		
	0	habituation to routine procedures is part of enrichment program (<i>Guide</i> , p 64)	1			
•		eltered or Outdoor Housing: (e.g., barns, corrals, pastures, islands)				
	0	weather protection and opportunity for retreat (Guide, p 54) [must]	,		,	
	0	appropriate size (<i>Guide</i> , p 54)	-			
	0	ventilation and sanitation of shelter (no waste/moisture build-up) (<i>Guide</i> , <u>p 54</u>)	/		1	
	0	animal acclimation (<i>Guide</i> , p 55)	V	/		
	0	social compatibility (<i>Guide</i> , <u>p 55</u>)	1			
	0	roundup/restraint procedures (<i>Guide</i> , <u>p 55</u>)		/	ı	
	0	appropriate security (<i>Guide</i> , p 55)	V			
		sturalistic Environments:				
-	0	animals added /removed with consideration of effect on group (<i>Guide</i> , p 55)				-
	0	adequate food, fresh water, and shelter ensured (<i>Guide</i> , p.55)				
		od:		,		
		feeding schedule and procedures including caloric intake management (Guide, pp	./			
	0	65-67)	-	,		
	2		1			
	0	contamination prevention (<i>Guide</i> , p. 65)	1		_	
	0	vendor quality control (<i>Guide</i> , p. 66)	1	-	_	
	0	storage in sealed containers (<i>Guide</i> , p 66)	1/			-
	0	expiration date labeling (<i>Guide</i> , <u>p 66</u>)	1			
	0	vermin control (<i>Guide</i> , <u>p 66</u>)	-			-
	0	rotation of stocks (<i>Guide</i> , <u>p 66</u>)	V			
•		ater:	1			
	0	ad libitum unless justified (<i>Guide</i> , pp 67-68)	/		-	
	0	QC procedures (Guide, pp 67-68)			-	
•		edding and Nesting Materials:	/			-
	0	species appropriate (<i>Guide</i> , pp. 68-69)	V		-	
		keeps animals dry (Guide, pp 68-69)	/	/	-	-
		QC procedures (Guide, pp 68-69)	./			
	0	minimizes scientific variables (<i>Guide</i> , pp 68-69)		4		
•		initation:	,/			
	0	frequency of bedding/substrate change (<i>Guide</i> , <u>p. 70</u>)	1			_
	0	cleaning and disinfection of microenvironment (<i>Guide</i> , pp 70-71)	1		-	
	0	cleaning and disinfection of macroenvironment (Guide, p 72)	1		-	-
	0	assessing effectiveness (Guide, p 73)	17			-
•	W	aste Disposal:	1			
	0	procedures for collection (<i>Guide</i> , pp 73-74)	1		_	
	0	procedures for storage and disposal (Guide, pp 73-74)				
	0	hazardous wastes are rendered safe before removal from facility (<i>Guide</i> , <u>pp 73-74</u>) [must]	~			
		animal carcasses (Guide, pp 73-74)				
•	Pe	est Control:	1			
	0	regularly scheduled (Guide, p 74)		/		
	0	documented program including control of rodent pests and insecticide use (Guide, p 74)	1			
	Eı	mergency, Weekend, and Holiday Animal Care:		/,		
	0	care provided by qualified personnel every day (Guide, p 74)	1	/		
	0	provision for accessible contact information (Guide, p 74)				
	0	monitoring of backup systems (Guide n 143)	1			

ocuSig	n Env	elope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF	-	1	
	0	veterinary care available after hours, weekends, and holidays (<i>Guide</i> , pp 74, 114) [must]	1		
	0	a disaster plan that takes into account both personnel and animals (Guide, p 75)			
	Id	entification:	1		
	0	cage/rack cards contain required information (Guide, p 75)	,		
	0	genotype information included and standardized nomenclature used when applicable (<i>Guide</i> , p. 75)			
	Re	ecordkeeping:	.1		
	0	clinical records accessible and contain appropriate information (Guide, pp 75-76)	V		
	0	records are provided when animals are transferred between institutions (<i>Guide</i> , p 75)	1		
	Br	reeding Genetics and Nomenclature:	1		
	0	appropriate genetic records, management and monitoring procedures (Guide, p 76)			
	0	phenotypes that affect wellbeing are reported to IACUC and effectively managed (Guide, p 77)			
	St	orage:			
	0	adequate space for equipment, supplies, food, bedding and refuse (Guide, p 141)	V		
	0	bedding in vermin-free area and protected from contamination(Guide, p 141)	V		
	0	food in vermin-free, temperature and humidity controlled area and protected from contamination (<i>Guide</i> , <u>p 141</u>)	/		
	0	refuse storage is separate (Guide, p 141)	1	/	
	0	carcass and animal tissue storage is separate, refrigerated below 7°C and cleanable (<i>Guide</i> , p 141)	-		
	Pe	ersonnel:			
	0	adequate space for locker rooms, administration and training (Guide, p 135)			

* A = acceptable

M = minor deficiency

S = significant deficiency (is or may be a threat to animal health or safety)

Maxim De Brotto 11/23/2)

C = change in program (PHS Policy <u>IV.A.1.a.-i.</u>) (include in semiannual report to IO and in annual report to OLAW)

NA = not applicable

NOTES:

-DocuSigned by:

Donna Byers
29ED86E14FA749D...

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

I. Semiannual Facility Inspection Checklist

Terrestrial Animal Housing and Support Areas

Date: November 2021

Location

		A*	M	S	C	NA
•	Location:	1	/			T-
	o animal areas separate from personnel areas (Guide, p 134)	~		-		
	o separation of species (<i>Guide</i> , <u>p 111</u>)	-				-
	o separation by disease status (<i>Guide</i> , <u>p 111</u>)	1	1			-
	o security and access control (Guide, p 151)	~	-			
•	Construction:					-
	o corridors (Guide, p 136)	-				1
	o animal room doors (Guide, p 137)	-				1
	o exterior windows (Guide, p 137)	-				
	o floors (Guide, p 137)	~				
	o drainage (Guide, p 138)	1				
	o walls and ceilings (Guide, p 138)	1/				
	o heating ventilation and air conditioning (Guide, p 139)	-	-			
	o power and lighting (Guide, p 141)	-	-			
	o noise control (Guide, p 142)					-
	o vibration control (<i>Guide</i> , p. 142)					1
	o environmental monitoring (<i>Guide</i> , p. 143)	./				
	Room/Cage:		-			
•	o temperature and humidity (<i>Guide</i> , p 43)	3.				T
	o ventilation and air quality (<i>Guide</i> , <u>p 45</u>)					
			-		-	+
	o illumination (<i>Guide</i> , p. 47)					-
	o noise and vibration (Guide, p 49)		4			0
•	Primary Enclosure:	/				
	o space meets physiologic, behavioral , and social needs (<i>Guide</i> , pp 51, 55-63)		1		-	+
	o secure environment provided (<i>Guide</i> , <u>p 51</u>)	~		-		-
	o durable, nontoxic materials in good repair and no risk of injury (<i>Guide</i> , p 51)	1			-	-
	o flooring is safe and appropriate for species (Guide, p 51)	~	1			+
	 adequate bedding and structures for resting, sleeping, breeding (Guide, p 52) 	-				
	 objective assessments of housing and management are made (Guide, p 52) 	-				
	o procedures for routine husbandry are documented (Guide, p 52)	-				
	 socially housed animals can escape or hide to avoid aggression (Guide, p 55) 	1	-			
	o cage height provides adequate clearance (Guide, p 56)					4
	o animals express natural postures, can turn around, access food and water, and					
	rest away from urine and feces (Guide, p 56) [must]	-				
	o rationaleiii for Guide/USDA space exceptions approved by IACUC and based on					
	performance indices (Guide, p 56)					-
	o dogs and cats allowed to exercise and provided human interaction (Guide, p 58)					-
	o nonhuman primates are socially housed except for scientific, veterinary or					
	behavior reasons (Guide, pp 58-59)					~
	o single housing of nonhuman primates is for shortest duration possible (Guide, p					Т
	60)					~
	o opportunities for release into larger enclosures is considered for single caged					
	nonhuman primates (<i>Guide</i> , p 60)					-
	o agricultural animals are housed socially (<i>Guide</i> , p 60)	1				+
	o food troughs and water devices for agricultural animals allow access for all animals		1		1	+
		/				
	(Guide, p 60) Environmental Enrichment, Behavioral and Social Management:		1	1		1
•						÷
	o structures and resources promote species typical behavior (<i>Guide</i> , pp 52-54)	-			-	4
	o novelty of enrichment is considered (Guide, p 53)		1			6

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

		species specific plans for housing including enrichment, behavior and activity are developed and reviewed regularly by IACUC, researchers and veterinarian (<i>Guide</i> ,		
	0	pp 53, 58, 60, 63) animal care personnel receive training to identify abnormal animal behaviors	V	
		(Guide, p 53)	. /	
	0	stability of pairs or groups is monitored for incompatibility (Guide, p 64)	V	
	0	single housing is justified for social species (Guide, p 64)	V	
	0	single housing is limited to the minimum period necessary (Guide, p. 64)	/	
	0	additional enrichment for single housed animals is provided (Guide, p. 64)		-
	0	single housing is reviewed regularly by IACUC and veterinarian (Guide, p. 64)	2	
	0	habituation to routine procedures is part of enrichment program (Guide, p 64)	ST.	
	Sh	eltered or Outdoor Housing: (e.g., barns, corrals, pastures, islands)		
-	0	weather protection and opportunity for retreat (Guide, p 54) [must]	V	
		appropriate size (Guide, p 54)	/	
_	0	ventilation and sanitation of shelter (no waste/moisture build-up) (Guide, p 54)	/	
	0	ventilation and samuation of sheller (no waste/moisture band up) (out-of party)	/	
	0	animal acclimation (Guide, p 55)	/	
	0	social compatibility (<i>Guide</i> , <u>p 55</u>)		
	0	roundup/restraint procedures (Guide, p 55)		
	0	appropriate security (Guide, p 55)		
	Na	turalistic Environments:		
	0	animals added /removed with consideration of effect on group (Guide, p 55)		
	0	adequate food, fresh water, and shelter ensured (Guide, p 55)		
	- 3	od:		
	0	feeding schedule and procedures including caloric intake management (<i>Guide</i> , pp 65-67)	_	
	_	contamination prevention (<i>Guide</i> , <u>p 65</u>)	~	
	0	vendor quality control (<i>Guide</i> , <u>p 66</u>)	/	
	0	Vendor quality control (Guide, p. 66)	~	
	0	storage in sealed containers (<i>Guide</i> , p 66)	-	
		expiration date labeling (<i>Guide</i> , <u>p 66</u>)		
	0	vermin control (Guide, p 66)	0	
	0			
	W	ater:		
	0	ad libitum unless justified (Guide, pp 67-68)	1	
	0	QC procedures (Guide, pp 67-68)	-	
		edding and Nesting Materials:		
	0	species appropriate (Guide, pp 68-69)		
	0	keeps animals dry (Guide, pp 68-69)	/	
		QC procedures (Guide, pp 68-69)	/	
		minimizes scientific variables (<i>Guide</i> , pp 68-69)	/	
	0			
•		anitation:	/	
	0		-	
	0	cleaning and disinfection of microenvironment (Guide, pp 70-71)	-	
	0	cleaning and disinfection of macroenvironment (Guide, p 72)		
	0	assessing effectiveness (Guide, p 73)		
	W	aste Disposal:		
	0	procedures for collection (Guide, pp 73-74)	/	
	0	procedures for storage and disposal (Guide, pp 73-74)		
	0	hazardous wastes are rendered safe before removal from facility (Guide, pp 73-		
		74) [must]		
	0			
•	P	est Control:		
	0	regularly scheduled (Guide, p 74)		
	0	documented program including control of rodent pests and insecticide use (<i>Guide</i> p 74)	' ~	
	E	mergency, Weekend, and Holiday Animal Care:		
	0	ided by supplified negative day (Cuido p 74)	/	
	0	provision for accessible contact information (<i>Guide</i> , <u>p 74</u>)	1	
		monitoring of backup systems (<i>Guide</i> , p 143)	/	
	U	momenting of buckup ofocome (ourse)		

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

		veterinary care available after hours, weekends, and holidays (<i>Guide</i> , pp 74, 114) [must]	_		
		a disaster plan that takes into account both personnel and animals (Guide, p 75)	-		
		Identification:			
		o cage/rack cards contain required information (Guide, p 75)	1		
		 genotype information included and standardized nomenclature used when applicable (Guide, p 75) 	1		
		Recordkeeping:			
		clinical records accessible and contain appropriate information (Guide, pp 75-76)		/	
		records are provided when animals are transferred between institutions (<i>Guide</i> , p. 75)			V
	•	Breeding Genetics and Nomenclature:			
		appropriate genetic records, management and monitoring procedures (<i>Guide</i> , <u>p</u> 76)	L	/	
		phenotypes that affect wellbeing are reported to IACUC and effectively managed (Guide, p 77)			V
	•	Storage:		174	
		adequate space for equipment, supplies, food, bedding and refuse (Guide, p 141)	V		
		bedding in vermin-free area and protected from contamination(Guide, p 141)	V		
		food in vermin-free, temperature and humidity controlled area and protected from contamination (<i>Guide</i> , p 141)	V	/	
		o refuse storage is separate (Guide, p 141)	11		
		carcass and animal tissue storage is separate, refrigerated below 7°C and cleanable (<i>Guide</i> , p 141)	1	/	
		Personnel:			
		adequate space for locker rooms, administration and training (Guide, p 135)	-		
*	A =	acceptable			

M = minor deficiency

S = significant deficiency (is or may be a threat to animal health or safety)
C = change in program (PHS Policy IV.A.1.a.-i.) (include in semiannual report to IO and in annual report to OLAW)

NA = not applicable

NOTES:

Donna Byers

I. Semiannual Facility Inspection Checklist

Terrestrial Animal Housing and Support Areas

12-22-21 Date: November 2021

Location:

. 1	Location:	A" M S C NA
	animal areas separate from personnel areas (Guide, p 134)	. /
(separation of species (Guide, p 111)	~
(separation by disease status (Guide p. 111)	V .
(security and access control (Guide, p 151)	
	Construction:	
C	corridors (Guide, p 136)	
c		V-
C	exterior windows (<i>Guide</i> , p 137)	~
c	floors (Guide, p 137)	
C		
C	walls and ceilings (Guide n 138)	
C	heating ventilation and air conditioning (Guide, p 139)	
0	power and lighting (Guide, p 141)	/
0	noise control (Guide, p 142)	1
0	vibration control (<i>Guide</i> , p. 142)	
0	environmental monitoring (<i>Guide</i> , p 143)	/
R	Room/Cage:	
0		
0	ventilation and air quality (<i>Guide</i> , <u>p 43</u>)	
0	illumination (<i>Guide</i> , p 47)	
0	noise and vibration (<i>Guide</i> , p 49)	
P	rimary Enclosure:	
0	Space meets physiologic behavioral (
0	space meets physiologic, behavioral, and social needs (<i>Guide</i> , pp 51, 55-63) secure environment provided (<i>Guide</i> , p 51)	/
0	durable nontoxic materials in	
0		
0	flooring is safe and appropriate for species (Guide, p 51)	
0	adequate bedding and structures for resting, sleeping, breeding (<i>Guide</i> , p 52) objective assessments of housing and managements breeding (<i>Guide</i> , p 52)	
0	objective assessments of housing and management are made (<i>Guide</i> , p 52) procedures for routine husbandry are documented (<i>Guide</i> , p 52)	7
0	procedures for routine husbandry are documented (<i>Guide</i> , <u>p 52</u>) socially housed animals can assess as a few posterior of the procedures for routine husbandry are documented (<i>Guide</i> , <u>p 52</u>)	
0		
0	cage height provides adequate clearance (<i>Guide</i> , <u>p 56</u>)	/
	animals express natural postures, can turn around, access food and water, and rest away from urine and feces (<i>Guide</i> , <u>p 56</u>) [must]	/
0	rationale for Guide (USDA space execution	
	rationale ⁱⁱⁱ for <i>Guide</i> /USDA space exceptions approved by IACUC and based on performance indices (<i>Guide</i> , p 56)	
0	dogs and cats allowed to exercise and	V
0	dogs and cats allowed to exercise and provided human interaction (<i>Guide</i> , p 58)	
	behavior reasons (Guide on Eg. 50)	
0	(
	60) 60)	
0	opportunities for release into larger enclosures is considered for single caged nonhuman primates (<i>Guide</i> , p. 60)	
	nonhuman primates (Guide, p 60)	1-11
0	agricultural animals are bound and the second	
0	food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and water devices for applications for the food troughs and the food troughs are the food troughs are the food troughs and the food troughs are the fo	/
	food troughs and water devices for agricultural animals allow access for all animals $(Guide, p.60)$	
En	vironmental Enrichment Rehavioral and Control	1/
0	vironmental Enrichment, Behavioral and Social Management:	V .
0	structures and resources promote species typical behavior (<i>Guide</i> , pp 52-54) novelty of enrichment is considered (<i>Guide</i> , p 53)	
	Guide, p 53)	

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

	0			
		developed and reviewed regularly by IACUC, researchers and veterinarian (<i>Guide</i> pp 53, 58, 60, 63)	, /	
	0	animal care personnel receive training to identify abnormal animal behaviour	./	
			V /	
	0	stability of pairs or groups is monitored for incompatibility (Guide, p 64)		
	0	single flousing is justified for social species (Guide in CA)		/
	0	Single housing is limited to the minimum period passes at 10 id		
	0	additional children to still housed animals is provided to		-
	0	The first of the f		
-	0			-
•	5			
		PIOCECTORI GRU UDDORRURA POPPAST (Cuido e EA) Formas		
	0	appropriate size (Guille, 1) 541		
	0	ventilation and sanitation of shelter (no waste/moisture build-up) (Guide, p 54)		
	0	The state of the s	-	
	0	social compatibility (Guide, p 55)		
	0	roundup/restraint procedures (Guide, p 55)	/	7 7 -
	O NI	appropriate security (Guide, p 55)		+1
-		aturalistic Environments:		
	0	animals added /removed with consideration of effect on group (Guide, p 55)	/	-
		adequate food, fresh water, and shelter ensured (<i>Guide</i> , <u>p.55</u>)		1 -
	0	- Cui		
	0	feeding schedule and procedures including caloric intake management (<i>Guide</i> , pp. 65-67)	. /	
	0			
	0	contamination prevention (Guide, p 65)	./	
	0	vendor quality control (<i>Guide</i> , p 66)		
	0	storage in sealed containers (<i>Guide</i> , <u>p 66</u>) expiration date labeling (<i>Guide</i> , <u>p 66</u>)		
	0	vermin control (Guide, p 66)	/-	
	0	rotation of stocks (Guide, p 66)		
		ater:		-
	0		V	
	0	ad libitum unless justified (<i>Guide</i> , <u>pp 67-68</u>) QC procedures (<i>Guide</i> , <u>pp 67-68</u>)	1	
		dding and Nesting Materials:		-
	0	species appropriate (Guide, pp 68-69)	V	
	0	keeps animals dry (<i>Guide</i> , pp 68-69)	1/	-
	0	QC procedures (Guide, pp 68-69)	/	
	0	minimizes scientific variables (<i>Guide</i> , pp 68-69)	/	
	Sai	nitation:	V	7 -
	0	frequency of bedding/substrate change (Guide, p 70)		
	0			
	0		V.	
	0	The state of the s		
	Wa	ste Disposal:	/	
	0	procedures for collection (Guide, pp 73-74)	//	
	O	procedures for storage and disposal (Cuida and all all and all and all all and all all and all all and all all all all all all all all all al	/	
	0	hazardous wastes are rendered safe before removal from facility (<i>Guide</i> , pp 73-74) [must]	/	
		74) [must] Guide, pp 73-	~	
	0	animal carcasses (Guide, pp 73-74)	/	100
	res	control:		
	0	regularly scheduled (Guide, p 74)		
	0	documented program including control of rodent pests and insecticide use (Guide, p.74)	V/	
		p /4)	V	
	Eme	ergency, Weekend, and Holiday Animal Care:	1-	
	-	our o provided by dudiffed perconnel over the death	///	
		The decessible confact information (C.114-		
	0 1	monitoring of backup systems (<i>Guide</i> , p 143)		

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

0	veterinary care available after	r hours, weekends,	and holidays	(Guide, pp 74	, 114)
	[must]				

a disaster plan that takes into account both personnel and animals (Guide, p.75)

Identification:

o cage/rack cards contain required information (Guide, p.75)

 genotype information included and standardized nomenclature used when applicable (Guide, p. 75)

Recordkeeping:

o clinical records accessible and contain appropriate information (Guide, pp 75-76)

records are provided when animals are transferred between institutions (Guide, p. 75)

Breeding Genetics and Nomenclature:

appropriate genetic records, management and monitoring procedures (Guide, p. 76)

 phenotypes that affect wellbeing are reported to IACUC and effectively managed (Guide, p_77)

Storage:

adequate space for equipment, supplies, food, bedding and refuse (Guide, p 141)

bedding in vermin-free area and protected from contamination(Guide, p 141)

 food in vermin-free, temperature and humidity controlled area and protected from contamination (Guide, p 141)

o refuse storage is separate (Guide, p 141)

 carcass and animal tissue storage is separate, refrigerated below 7°C and cleanable (Guide, p 141)

Personnel:

adequate space for locker rooms, administration and training (Guide, p 135)

A = acceptable

M = minor deficiency

S = significant deficiency (is or may be a threat to animal health or safety)

C = change in program (PHS Policy IV.A.1.a.-i.) (include in semiannual report to IO and in annual report to OLAW)

NA = not applicable

NOTES:

— DocuSigned by:

Vouna Byers

I. Semiannual Facility Inspection Checklist

Terrestrial Animal Housing and Support Areas

Date: November 2021

Location:

			A*	M	S	CI	A	
	Loc	cation:	,					
	0	animal areas separate from personnel areas (Guide, p 134)	V					
	0	separation of species (Guide, p 111)	V,					
	0	separation by disease status (Guide, p 111)	V					
	0	security and access control (Guide, p 151)	V					
	Co	nstruction:						
	0	corridors (Guide, p 136)	V					
	0	animal room doors (Guide, p 137)	/		+			
	0	exterior windows (Guide, p 137)	11					
	0	floors (Guide, p 137)	1					
	0	drainage (Guide, p 138)	1,					
	0	walls and ceilings (Guide, p 138)	1					
	0	heating ventilation and air conditioning (Guide, p 139)	1					
	0	power and lighting (Guide, p 141)	V.					
	0	noise control (Guide, p 142)	1		-			
	0	vibration control (Gulde, p 142)	1			- 1		
	0	environmental monitoring (Guide, p 143)	V					
	Ro	om/Cage:					/	
	0	temperature and humidity (Guide, p 43)		-		19	1	
	0	ventilation and air quality (Guide, p 45)					V,	
	0	Illumination (Guide, p 47)					1	
	0	noise and vibration (Guide, p 49)					V	
•	Pr	imary Enclosure:			+		-/	
	0	space meets physiologic, behavioral , and social needs (Guide, pp 51, 55-63)					-	
	0	secure environment provided (Guide, p 51)			-	- 0	-	
	0	durable, nontoxic materials in good repair and no risk of injury (Guide, p 51)			+		1	
	0	flooring is safe and appropriate for species (Guide, p 51)	1 4				V	
	0	adequate bedding and structures for resting, sleeping, breeding (Guide, p 52)					~	
	0	objective assessments of housing and management are made (Guide, p. 52)					1/	
	0	procedures for routine husbandry are documented (Guide, p. 52)				-	,	
	0	socially housed animals can escape or hide to avoid aggression (Guide, p 55)			(-)	-	V	
	0	cage height provides adequate clearance (Guide, p 56)			-		/	
	0	animals express natural postures, can turn around, access food and water, and					1	
		rest away from urine and feces (Guide, p. 56) [must] rationale ⁱⁱⁱ for Guide/USDA space exceptions approved by IACUC and based on					/	
	0	performance indices (<i>Guide</i> , p. 56)					/	
		dogs and cats allowed to exercise and provided human interaction (Guide, p 58)					/	
	0	nonhuman primates are socially housed except for scientific, veterinary or	*		1 = 1)	/	
	0	behavior reasons (Guide, pp 58-59)					/	
	0	single housing of nonhuman primates is for shortest duration possible (<i>Guide</i> , p					./	
	0	60)					-	
	0	opportunities for release into larger enclosures is considered for single caged					/	
	0	nonhuman primates (<i>Guide</i> , p 60)					,	
	0	agricultural animals are housed socially (Guide, p 60)				- 1	//	
	0	food troughs and water devices for agricultural animals allow access for all animal	S				/	
		(Guide, p 60)						
	E	nvironmental Enrichment, Behavioral and Social Management:					1	
	0	structures and resources promote species typical behavior (Guide, pp 52-54)					1	1
	0	novelty of enrichment is considered (Guide, p 53)					V	

DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF

	0	species specific plans for housing including enrichment, behavior and activity are developed and reviewed regularly by IACUC, researchers and veterinarian (<i>Guide</i> , pp 53, 58, 60, 63)		1
	0	animal care personnel receive training to identify abnormal animal behaviors (Guide, p 53)		5
	0	stability of pairs or groups is monitored for incompatibility (Guide, p 64)	10 4 1 3	/
	0	single housing is justified for social species (Guide, p 64)		1
	0	single housing is limited to the minimum period necessary (<i>Guide</i> , p. 64)	1	1
	0	additional enrichment for single housed animals is provided (<i>Guide</i> , p 64)		/
	0	single housing is reviewed regularly by IACUC and veterinarian (<i>Guide</i> , p 64)		/
	0	habituation to routine procedures is part of enrichment program (Guide, p 64)		V
	Sh	eltered or Outdoor Housing: (e.g., barns, corrals, pastures, islands)	ti	/
	0	weather protection and opportunity for retreat (Guide, p 54) [must]	4	
	0	appropriate size (Guide, p 54)	W.	/
	0	ventilation and sanitation of shelter (no waste/moisture build-up) (Guide, p 54)	0	/
	0	animal acclimation (Guide, p.55)	0 47	/
	0	social compatibility (Guide, p 55)	A	/
	0	roundup/restraint procedures (Guide, p 55)	14	1
	0	appropriate security (Guide, p 55)	4	V
	Na	turalistic Environments:	2/2	V
	0	animals added /removed with consideration of effect on group (Guide, p 55)	7	1
	0	adequate food, fresh water, and shelter ensured (Guide, p.55)	7-11	/
	Fo	od:		/
	0	feeding schedule and procedures including caloric intake management (Guide, pp 65-67)		V
	0	contamination prevention (Guide, p 65)		V
	0	vendor quality control (Guide, p 66)		V
	0	storage in sealed containers (Guide, p 66)		1
	0	expiration date labeling (Guide, p 66)	1= -	/
	0	vermin control (Guide, p 66)		1
	0	rotation of stocks (Guide, p 66)		V
	5.2	ater:		V/
	0	ad libitum unless justified (<i>Guide</i> , pp 67-68)		1/
	0	QC procedures (Guide, pp 67-68)		~
•		edding and Nesting Materials:		1
	0	species appropriate (Guide, pp 68-69)		1/
	0	keeps animals dry (Guide, pp 68-69)	30 m (mm)	/
	0	QC procedures (Guide, pp 68-69)		V
	0	minimizes scientific variables (Guide, pp 68-69)		-
•	0	frequency of bedding/substrate change (Guide, p. 70)		/
	0	cleaning and disinfection of microenvironment (<i>Guide</i> , pp 70-71)		/
	0	cleaning and disinfection of macroenvironment (Guide, p. 72)		V
	0	assessing effectiveness (<i>Guide</i> , p 73)		1
	W	aste Disposal:	/	V
	0	procedures for collection (Guide, pp. 73-74)	./	
	0		/	
	0		V/	-,
		74) [must]	V	/
	0	(0.1)		/
		est Control:		,
	0	regularly scheduled (Guide, p 74)	/	
	0			
	Er	mergency, Weekend, and Holiday Animal Care:	/	
	0	care provided by qualified personnel every day (Guide, p 74)		
	0	provision for accessible contact information (Guide, p 74)	1	
	0	monitoring of backup systems (Guide, p. 143)	1	

DocuSigned by:

Donna Byers __29ED86E14FA749D...

	0	veterinary care available after hours, weekends, and holidays (Guide, pp 74, 114)
	0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Id	entification;
	0	cage/rack cards contain required information (Guide, p 75)
	0	
	D.	applicable (Guide, p 75)
•	O	clinical records accessible and contain appropriate information (Guide, pp 75-76)
		records are provided when animals are transferred between institutions (<i>Guide</i> , p. 75)
	Br	eeding Genetics and Nomenclature:
	0	appropriate genetic records, management and monitoring procedures (Guide, p 76)
		phenotypes that affect wellbeing are reported to IACUC and effectively managed (Guide, p 77)
•	o	orage: adequate space for equipment, supplies, food, bedding and refuse (Guide, p 141)
	0	bedding in vermin-free area and protected from contamination(Guide, p 141)
	0	
		contamination (Guide, p 141)
	0	
	0	carcass and animal tissue storage is separate, refrigerated below 7°C and cleanable (Guide, p 141)
	Pe	ersonnel:
	0	adequate space for locker rooms, administration and training (Guide, p 135)
		ceptable
		inor deficiency gnificant deficiency (is or may be a threat to animal health or safety)
C	= ch	ange in program (PHS Policy IV.A.1.ai.) (include in semiannual report to IO and in annual report to OLAW)
N.	1 = 1	not applicable
		and life ANIMALL
OTE	S:	s Répositions Animare of Wingsing Annual 3 Done Bought Bought 3
	1	1.th April (1
/	,	DACITY A DE LE
1,	U.	Sign And
11	11.	No Sala
		have Do Rh
		the, I want
	N	The sep was
DE.),	ach or . A
1		and Ind
		User Sh Lou
1	^	The state of the s
11	l	
10	0	1 6 CM
	1	sa . The
	4	research samples for Annih si
		1 to Burgans
		Répose And Done Brown Charles 1) Tesearch 3 per for American Single for American Singl
		17,

West Texas A&M University DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF DEC 23, 2021 I. Semiannual Facility Inspection Checklist Terrestrial Animal Housing and Support Areas Date: November 2021 Location WT Kodeo Gourds, Canyon, TX 79016 M S C NA Location: animal areas separate from personnel areas (Guide, p 134) separation of species (Guide, p 111) separation by disease status (Guide, p 111) security and access control (Guide, p 151) Construction: corridors (Guide, p 136) animal room doors (Guide, p 137) exterior windows (Guide, p 137) floors (Guide, p 137) drainage (Guide, p 138) walls and ceilings (Guide, p 138) heating ventilation and air conditioning (Guide, p 139) power and lighting (Guide, p 141) noise control (Guide, p 142) vibration control (Guide, p 142) environmental monitoring (Guide, p 143) Room/Cage: temperature and humidity (Guide, p 43) ventilation and air quality (Guide, p 45) illumination (Guide, p 47) noise and vibration (Guide, p 49) **Primary Enclosure:** space meets physiologic, behavioral 1, and social needs (Guide, pp 51, 55-63) secure environment provided (Guide, p. 51) durable, nontoxic materials in good repair and no risk of injury (Guide, p 51) flooring is safe and appropriate for species (Guide, p 51) adequate bedding and structures for resting, sleeping, breeding (Guide, p 52) objective assessments of housing and management are made (Guide, p 52) procedures for routine husbandry are documented (Guide, p 52) socially housed animals can escape or hide to avoid aggression (Guide, p 55) cage height provides adequate clearance (Guide, p 56) animals express natural postures, can turn around, access food and water, and rest away from urine and feces (Guide, p 56) [must] rationale for Guide/USDA space exceptions approved by IACUC and based on performance indices (Guide, p 56) dogs and cats allowed to exercise and provided human interaction (Guide, p.58) nonhuman primates are socially housed except for scientific, veterinary or behavior reasons (Guide, pp 58-59) single housing of nonhuman primates is for shortest duration possible (Guide, p opportunities for release into larger enclosures is considered for single caged nonhuman primates (Guide, p 60) agricultural animals are housed socially (Guide, p 60) food troughs and water devices for agricultural animals allow access for all animals **Environmental Enrichment, Behavioral and Social Management:** o structures and resources promote species typical behavior (Guide, pp 52-54) o novelty of enrichment is considered (Guide, p 53)

West Texas A&M University DocuSign Envelope ID: B0B82A28-B20B-4C73-8920-7F5A997890FF species specific plans for housing including enrichment, behavior and activity are developed and reviewed regularly by IACUC, researchers and veterinarian (Guide, pp 53, 58, 60, 63) animal care personnel receive training to identify abnormal animal behaviors (Guide, p 53) stability of pairs or groups is monitored for incompatibility (Guide, p. 64) single housing is justified for social species (Guide, p 64) single housing is limited to the minimum period necessary (Guide, p 64) additional enrichment for single housed animals is provided (Guide, p. 64) single housing is reviewed regularly by IACUC and veterinarian (Guide, p 64) habituation to routine procedures is part of enrichment program (Guide, p 64) Sheltered or Outdoor Housing: (e.g., barns, corrals, pastures, islands) weather protection and opportunity for retreat (Guide, p.54) [must] appropriate size (Guide, p 54) ventilation and sanitation of shelter (no waste/moisture build-up) (Guide, p 54) animal acclimation (Guide, p 55) social compatibility (Guide, p 55) o roundup/restraint procedures (Guide, p 55) appropriate security (Guide, p 55) Naturalistic Environments: o animals added /removed with consideration of effect on group (Guide, p 55) adequate food, fresh water, and shelter ensured (Guide, p 55) Food: feeding schedule and procedures including caloric intake management (Guide, pp contamination prevention (Guide, p 65) o vendor quality control (Guide, p 66) o storage in sealed containers (Guide, p 66) expiration date labeling (Guide, p 66) vermin control (Guide, p 66) o rotation of stocks (Guide, p 66) Water: o ad libitum unless justified (Guide, pp 67-68) QC procedures (Guide, pp 67-68) **Bedding and Nesting Materials:** species appropriate (Guide, pp 68-69) keeps animals dry (Guide, pp 68-69) QC procedures (Guide, pp 68-69) minimizes scientific variables (Guide, pp 68-69) frequency of bedding/substrate change (Guide, p 70) cleaning and disinfection of microenvironment (Guide, pp 70-71) cleaning and disinfection of macroenvironment (Guide, p 72) assessing effectiveness (Guide, p. 73) Waste Disposal: o procedures for collection (Guide, pp 73-74) procedures for storage and disposal (Guide, pp 73-74) hazardous wastes are rendered safe before removal from facility (Guide, pp 73o animal carcasses (Guide, pp 73-74) Pest Control: o regularly scheduled (Guide, p 74) documented program including control of rodent pests and insecticide use (Guide, Emergency, Weekend, and Holiday Animal Care: o care provided by qualified personnel every day (Guide, p.74) provision for accessible contact information (Guide, p 74) o monitoring of backup systems (Guide, p 143)

Expiry Date	IACUC Number	Title	PI/CI	Email	Facility and Insp.
04.14.2024	2021.04.001	Aspiration and IVF of Bovine Oocytes	Perkins, Tommy; Hickerson, Sydney	tperkins@wtamu .edu; sIhickerson1@bu ffs.wtamu.edu	nsp. 04.15.2021
04.14.2024	2021.04.002	Embryo Viability Based Upon Energy	Perkins, Tommy; Hickerson, Sydney	tperkins@wtamu .edu; slhickerson1@bu ffs.wtamu.edu	No Facility Required -

08.01.2024	2021.07.002	VTPP/VIBS 914 Professional & Clinical Skills I&II, VSCS/VLCS 910 Integrated Animal Care I & II, and VIBS 910/912 Clinical Anatomy	Eades, Erma; Newcomer, BJ; Funk, Jenna	seades@cvm.ta mu.edu; bnewcomer@wt amu.edu; jlfunk@cvm.tam u.edu	VERO, WT Feedlot, WT Horse Center, Nance Ranch Insp. 07.2020 11/2020 05/2021
07.26.2024	2021.07.001	Properties of Blood, Plasma, and Neurologic Function Teaching Laboratories for VTPP 910 & 912	Eades, Erma; Newcomer, BJ; Funk, Jenna	seades@cvm.ta mu.edu; bnewcomer@wt amu.edu; jlfunk@cvm.tam u.edu	WT Feedlot Insp. 07.2020 11/2020 05/2021
11.14.2021	02-11-18	WTAMU Nance Ranch Teaching Livestock	Lust, David; Jesko Noah; Stotz, Miranda	dlust@wtamu.ed u	Nance Ranch- Insp. 07.2020 11/2020 05.19.2021
03.31.2024	2021.03.002	Angus Sire Comparison on Jersey Dairy Cows	Perkins, Tommy; Richardson, Katy Jo	tperkins@wtamu .edu; kjrichardson2@b uffs.wtamu.edu	- data collection only, no inspection necessary
03.31.2024	2021.03.003	Buoyancy as an Assessment of Embryonic Viability	Perkins, Tommy; Richardson, Katy Jo	tperkins@wtamu .edu; kjrichardson2@b uffs.wtamu.edu	No Facility Required - Embryos

12.13.2021	01-12-18	Standard Operating Procedures for Feeding and Care of Cattle at WTAMU Research Feedlot	Richeson, John	jricheson@wtam u.edu	WT Feedlot- Insp. 07.2020 11/2020 05.19.2021
------------	----------	--	-------------------	-------------------------	--

04.30.2023	2020.04.003	Do high-risk cattle benefit from consuming a high energy finishing diet immediately upon arrival to the feedlot?	Samuelson, Kendall	ksamuelson@wt amu.edu	WT Feedlot- Insp. 07.2020 11/2020 05.19.2021
05.20.2024	2021.05.001	Harnessing the ecological dynamics of naturally occurring bacteriophage in the feedlot environment to control multidrugresistant Salmonella in slaughter-ready beef cattle	Richeson, John; Smith, Jason	jricheson@wtam u.edu; jason.smith@ag. tamu.edu	WT Feedlot Insp. 7/2020 11/2020 05.19.2021 and Bush Farm Insp. 7/2020 11/2020 05.19.2021
05,30.2024	2021.05.002	Evaluation of dietary preferences of newly received feedlot cattle using three different types of diets fed for 28d.	Samuelson, Kendall; Richeson, John; Polanco, Fil; Hernandez, Alicia	ksamuelson@wt amu.edu; jricheson@wtam u.edu; aghernandez7@ buffs.wtamu.edu ; fpolanco@wtam u.edu	WTAMU Feedlot - Insp. 07.2020 11/2020 05.19.2021
08.01.2024	2021.07.005	Feeding duration of Mootral in Akaushi-cross beef steers	Richeson, John; Polanco, Filberto	jricheson@wtam u.edu; fpolanco@wtam u.edu	WTFeedlot 11/2020 05/2021
06.30.2024	2021.06.001	Investigating targeted metaphylaxis in newly received feedlot cattle	Richeson, John	jricheson@wtam u.edu	Insp. June 10, 2021 -Dec next
06.30.2024	2021.06.004	A study to evaluate the combined effect of a probiotic and trace mineral drench upon arrival and dietary probiotic and organic trace mineral supplementation for 56-days in high-risk beef calves	Richeson, John; Polanco, Filberto	jricheson@wtam u.edu; fpolanco@wtam u.edu	Nance Ranch- Insp. 07.2020 11/2020 05/2021

03.05.2023	2020.02.004	Evaluation of the developmental fecal microbiome of cloned horse foals (Equus ferus caballus) and comparisons to the fecal microbiome of foals derived from natural breeding or artificial insemination	Morley, Patrick; Baker, Lance (not CI but listed)	pmorley@cvm.ta mu.edu; lbaker@wtamu.e du (not Cl but listed)	Insp. 07.2020 01.2021
03.31.2024	2021.04.003	Evaluation of Methods for Improved Group- Based Surveillance and Characterization of Mannheimia haemolytica in Beef Feedlot Cattle	Morley, Paul	pmorley@cvm.ta mu.edu	Feeding Pens - Ins. 04.05.2021