

## DIVISION OF RESEARCH

## RESEARCH COMPLIANCE

Institutional Animal Care and Use Committee



June 27, 2022

## MEMORANDUM

**To:** Dr. Jack Baldauf  
Vice President for Research  
Institutional Official

**From:** Dr. Mark Westhusin, Chair  
Institutional Animal Care and Use Committee (IACUC 1)

DocuSigned by:

Mark Westhusin

1BABD9B67E5F410...

**Subject:** IACUC Semiannual Report of the Program Review and Facility Inspection

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

On **May 19, 2022** the IACUC performed a review of the College Station/Dallas/Galveston Animal Care and Use Program utilizing the OLAW Semiannual Program Review Checklist; as well as other materials generated within the program to facilitate the IACUC's review. The contents of this report was approved by the IACUC on June 16, 2022 as evidenced by the attached signature sheet (*attachment 1*).

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

The following **IACUC programmatic changes** were implemented during the review period (January 2022 – May 2022):

**Expansion of Board Oversight**

- The IACUC assumed oversight of animal activities at the TAMU College of Dentistry (CoD) in Dallas

**IACUC Membership**

- The IACUC gained four new members (2 Scientists, 1 Scientist Alternate, 1 Veterinarian Alternate); three of which represent the CoD

**Semi-Annual Program Review**

- The IACUC shifted the months of the semi-annual program review (SAPR) from January/July to May/November to accommodate the expansion in board oversight to the CoD. The incorporation of the CoD into the SAPR by IACUC 1, and performance of the program review in May rather than July, ensured that the entirety of the animal care and use program under the oversight of the IACUC was reviewed at least every six months as required under federal regulation.

**Program Standardization**

155 Ireland St, Room 228  
1186 TAMU  
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Tel. 979.458.1467 Fax 979.862.3176  
<https://vpr.tamu.edu/research-compliance-and-biosafety/>

TAMU-Me-002  
Version: 002  
Effective Date: 02/14/2022

Obtained by Rise for Animals.  
Uploaded to Animal Research Laboratory Overview (ARLO) on 09/02/2022

- Continued development, review, and approval of IACUC Guidance document(s) (1) on a topic for use by principal investigators, animal use protocol participants and core housing facility personnel

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

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

[ ] A. There were no departures during this reporting period

[X] B. **The following departures have been reviewed and approved by the IACUC**

Departures to the *Guide* self-identified and justified by the PI in support of the scientific goals in the animal use protocol or requested and justified by animal facility management, and reviewed and approved by the IACUC over the past four months are summarized below:

Musts:

- 1 AUP with a departure from the requirement that animals express natural postures, can turn around, access food and water, and rest away from urine and feces (*Guide*, p 56) due to animals being housed in accordance with production standards.

Shoulds:

- 4 AUPs with a departure from the requirement to train animals to adapt to restraint (*Guide*, p 29) due to support of scientific goals.
- 14 AUPs were approved with a departure from the requirement to use pharmaceutical-grade compounds (*Guide*, p 31) due to shortage or disruption of availability, inclusion of additives which could confound data, and to maintain consistency with published data.
- 3 AUPs were approved with a departure from the requirement for Illumination (*Guide*, p 47) due to lack of regular diurnal light cycle to support the scientific goals of the AUP.
- 2 AUPs were approved with a departure from the requirement for space meeting physiologic, behavioral, and social needs (*Guide*, pp 51, 55-63) due to increased housing density to support the scientific goals of the AUP.
- 1 AUP was approved with a departure from the requirement that flooring is safe and appropriate for species (*Guide*, p 51) due to non-standard flooring type used to support the scientific goals of the AUP.
- 1 AUP was approved with a departure from the requirement for adequate bedding and structures for resting, sleeping, and breeding (*Guide*, p 52) due to non-standard flooring type used to support the scientific goals of the AUP.
- 1 AUP was approved with a departure from the requirement that additional enrichment for single housed animals be provided (*Guide*, p 64) due to lack of added enrichment to support the scientific goals of the AUP.
- The IACUC approved one (1) facility departure from the requirement for cleaning and disinfection of microenvironment (*Guide*, pp. 70-71) due to reduced sanitation rotation of filter bonneted racks.
- 1 AUP was approved with a departure from the requirement for aseptic procedures (*Guide*, pp 118-119) due to lack of hair removal in order to reduce exposure and irritation.

The **SAPR Departure and Exception Details** document (*attachment 2*) identifies specific departures from the *Guide*, along with the reason(s) for each departure.

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

Animal Care and Use Program Review Date(s): **May 19, 2022**

Select A or B:

- ☐ A. There were no deficiencies in the program during this reporting period  
☒ B. **The following deficiencies have been identified**

The Semiannual Programmatic Review was conducted during the IACUC meeting on May 19, 2022. The IACUC utilized the OLAW Semiannual Program Review Checklist (*attachment 3*) to conduct the review.

Significant deficiencies:

- None

Minor deficiencies:

- **ITEM I.B.4g** - Special precautions for the use of paralytics are in place to ensure anesthesia (Guide, p 123)
  - **IACUC Finding:** IACUC Guidance TAMU-G-002 includes the term “muscle relaxant” used interchangeably with the term “muscular blocking agent”. TAMU-G-002 also references TAMU-G-011, for which the website link is not functional.
  - **Corrective Action:** Strike “Muscle relaxants or” from section 5.5.7 of IACUC Guidance TAMU-G-002 and repair the DOR website link for Guidance TAMU-G-011.
  - **Timeline for Correction:** November 30, 2022

All other sections were found to be either acceptable or not applicable.

IV. **Deficiencies in the Institution's Animal Facility**

Animal Facility Inspection Date(s):

Date (Location)	Date (Location)
1/11/2022 (HLKN-GGB)	4/4/2022 (SEBHC)
1/13/2022 (BSBW, BSBE, BTLR)	4/5/2022 (ARTF)
1/20/2022 (CMP vehicles)	4/6/2022 (VMP)
1/26/2022 (MSRB)	4/7/2022 (WEAC)
1/28/2022 (VBEC)	4/7/2022 (RELLIS, RSC, Pastures)
2/9&10/2022 (ILSB)	4/8/2022 (PRPV & MSTC)
2/16/2022 (PSRC)	4/11/2022 (EQNR, FREE/EQCT, Horse Center)
2/23&24/2022 (LARR)	4/12/2022 (PMC, Polo)
3/3/2022 (KLCT, CMAT)	4/18/2022 (TIPS)
3/9/2022 (PSYC)	4/19/2022 (ASTREC)
3/21/2022 (COD)	4/20/2022 (CVM Large – portion)
3/25/2022 (TAMUG)	4/22/2022 (CVM Small)

3/28/2022 (COS – vehicle)	4/26/2022 (EQHSA)
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Select A or B:

- ☐ A. There were no deficiencies in the animal facility during this reporting period.  
☒ B. **The following deficiencies have been identified**

The IACUC inspected approximately 1560 individual locations utilizing checklists based on the *Guide* and Animal Welfare Act Regulations, or the Ag Guide, as applicable. **10% of locations inspected (161) had findings** identified by the IACUC. All findings were categorized as **Minor**. Of the locations with findings, the top two issues identified by the IACUC were related to facility repair & function with ~17% of findings in this category, and Cleaning/Environment with ~12% of findings. The top two corrective actions for the past inspection cycle were to confirm action at ~30% of the actions; and to discard/label & segregate at ~14%.

The **SAPR Inspection Details** document (*attachment 4*) identifies locations with findings as well as the date of inspection, the IACUC's categorization of the issue as minor or significant, and the timetable for correction.

## V. Minority Views

Select A or B:

- ☒ A. **No minority views were submitted or expressed.**  
☐ B. The following minority views were expressed  
 None

## VI. Status of AAALAC Accreditation

The program last received a status of Full Accreditation on March 12, 2020.

As always, the IACUC remains committed to the humane care and ethical treatment of vertebrate animals used in research, teaching and testing at Texas A&M University.

Please let me know if you wish to discuss any aspect of this report.

Cc: Dr. Penny Riggs  
 Ms. Katherine Rojo del Busto  
 Dr. Robert Rose  
 Ms. Andrea Mitchell

(Attachment)

155 Ireland St, Room 228  
 1186 TAMU  
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Tel: 979.458.1467 Fax 979.862.3176  
<https://vpr.tamtu.edu/research-compliance-and-biosafety/>

TAMU-Me-002  
 Version: 002  
 Effective Date: 04/20/2022

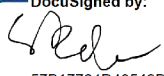
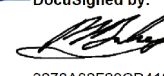
## ATTACHMENT 1

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

Signature	Member Name/#	Role
DocuSigned by: <i>Mark Westhusin</i> 1BABD9B67E5F410...	Dr. Mark Westhusin	IACUC Chair
	Dr. Robert Rose	Attending Veterinarian
DocuSigned by: <i>Andy D. Herring</i> 38CC1457F099423...	1004	Scientist
DocuSigned by: <i>Mariappan Muthuchamy</i> A7F0A9F10BE74CF...	1011	Scientist
DocuSigned by: <i>Christina Robertson</i> 08F1FEA75BDF45D...	1012	Member (Alternate)
DocuSigned by: <i>Ursula Winger-Serhan</i> 094ABA61126348C...	1016	Scientist
DocuSigned by: <i>Brad Urbanczyk</i> 0579084AD3754B1...	1028	Member
DocuSigned by: <i>Tennille Lamon</i> 2785C627B7F5436...	1039	Veterinarian
DocuSigned by: <i>Michele Bailey-Meade</i> BBCCF06C66C34D9...	1040	Non-Affiliated
DocuSigned by: <i>Brandon Dominguez, DVM</i> 6215CA9EEEE94DF...	1046	Scientist
DocuSigned by: <i>Jessica R. Baugher</i> 930E32DEF8D741E...	1049	Scientist
DocuSigned by: <b>Tryon Wickersham</b> D8C5C99DAB27426...	1051	Scientist
DocuSigned by: <i>Barb Ewert</i> 9E00D6A94BE64AB...	1052	Scientist
DocuSigned by: <i>Gregory Archer</i> 87419543F79E4F4...	1053	Scientist
DocuSigned by: <i>Kevin W. Conway</i> 620024CCD5A841B...	1059	Scientist
	1062	Scientist
DocuSigned by: <i>Sonya Gordon</i> ED76F176248C4D0...	1063	Scientist (Alternate)
DocuSigned by: <i>Tracy Vemulapalli</i> B7E6BEBE4CAA488...	1066	Scientist

DocuSigned by: <i>Steve Canon</i> C4230F9C56E449D...	1067	Scientist
DocuSigned by: <i>MORGAN FARNELL</i> E80651F41B4041B...	1068	Scientist
	1069	Scientist (Alternate)
DocuSigned by: <i>Pei Lin</i> B5AE5A25957444E...	1071	Scientist
DocuSigned by: <i>Andrew C. Huthwaite</i> FDD28B13237E46E...	1075	Member
DocuSigned by: <i>Cynthia Burress</i> C80D0EA30D02442...	1076	Non-Scientist
DocuSigned by: <i>Mendell Rimer</i> E72395DB5BC14F8...	1077	Scientist
DocuSigned by: <i>Lauren Douglas</i> 5B4B8C9F2DB34BC...	1078	Member (Alternate)
DocuSigned by: <i>Michael Golding</i> FCFAC3124D9442A...	1079	Scientist
DocuSigned by: <i>Larry J. Suva</i> F8CB31640449410...	1080	Scientist (Alternate)
	1082	Non-Affiliated
	1084	Scientist (Alternate)
	1085	Scientist (Alternate)
	1086	Scientist
DocuSigned by: <i>M Zedgo</i> 154A70EBD5CF402...	1087	Scientist (Alternate)
DocuSigned by: <i>Susan Guter</i> CFEA77760F60452...	1088	Scientist (Alternate)
DocuSigned by: <i>Melissa Kahl-McDonagh</i> 916C691A40B345E...	1089	Scientist
DocuSigned by: <i>[Signature]</i> C64DC98FF7B34DE...	1090	Scientist (Alternate)
DocuSigned by: <i>Jon Bona</i> 43BCC2BE1C424A8...	1091	Veterinarian



DocuSigned by:  57B17784D40549B...	1092	Non-scientist (Alternate)
DocuSigned by: David Hala B5D90CCA6C8E441...	1093	Scientist
DocuSigned by: Katie St. Clair FE7516E737624A8...	1094	Scientist (Alternate)
DocuSigned by:  3278A02F20CD418...	1096	Scientist (Alternate)
	1097	Scientist
DocuSigned by: Kathy Snelboda 4DCDDF40A7AF424...	1098	Scientist
DocuSigned by: Ralph Callicott 34007CA250BB4C0...	1099	Veterinarian (Alternate)
DocuSigned by: Elias Kontogiorgos 22BEB133F4AA4D0...	1100	Scientist (Alternate)



**ATTACHMENT 2**

**Departures and Exceptions to the Guide/USDA Animal Welfare Regulations**

The following section describes IACUC-approved departures from the *Guide for the Care and Use of Laboratory Animal* as well as exceptions from specific USDA regulatory requirements (for applicable species/activities) that differ from or are in addition to the PHS Policy.

Justification for the Departures/Exception provided by the principal investigator and approved by the IACUC since the last SAPR are included in the "Comments" field within each section.

**A. MUSTS**

**iii. Terrestrial Animal Housing and Support Areas**

E= Existing IACUC Approved Departure

N= New IACUC Approved Departure (include in semiannual report to IO)

NA= not applicable

1.	Primary Enclosure: [Exception – Prolonged Restraint]	E	N	NA
1a	Animals express natural postures, can turn around, access food and water, and rest away from urine and feces (Guide, p 56) [must]	X	1	
Comments:				
1 AUP with a departure from the requirement that animals express natural postures, can turn around, access food and water, and rest away from urine and feces (Guide, p 56) due to animals being housed in accordance with production standards.				
• <b>Departure (Guide text):</b> "At a minimum, animals must have enough space to express their natural postures and postural adjustments without touching the enclosure walls or ceiling, be able to turn around, and have ready access to food and water. In addition, there must be sufficient space to comfortably rest away from areas soiled by urine and feces."				
• <b>Justification from AUP 1:</b> "Gestating gilts will be individually housed in farrowing crates while on the study in accordance with standard swine production operating procedures and previously approved Swine Unit protocols."				

**B. SHOULD**

**i. Institutional Policies and Responsibilities**

E= Existing IACUC Approved Departure

N= New IACUC Approved Departure (include in semiannual report to IO)

NA= not applicable

1.	IACUC Protocol Review – Special Considerations	E	N	NA
1a	Training of animals to adapt to restraint is provided (Guide, p 29) [Exception – Prolonged Restraint]	X	4	

Comments:

4 AUPs with a departure from the requirement to train animals to adapt to restraint (Guide, p 29) due to support of scientific goals.

- **Departure (Guide text):** "Animals to be placed in restraint devices should be given training (with positive reinforcement) to adapt to the equipment and personnel."
- **Justification from AUP 1-3:** "CMS protocol was adapted from Burstein and Doron (2018)\* and in accordance of other studies (Muscat et al., 1992; Grippo et al., 2006; Delis et al., 2013). Restrainer - mice will be placed in a 50mL falcon tube for 4 hours, the tube is laying on it's side during the test time, holes are made on the sides of the tubes to allow air source for the mice to breathe."
- **Justification from AUP 4:** "Some of our experiments require that the birds be restrained so their movements are limited. This limited movement enables us to record data in ways that would otherwise not be possible. They will be restrained for no more than 30 minutes and at least a week will lapse between their restraint, if they are being restrained multiple times. We will monitor the birds continuously while they are restrained. If the birds are showing signs of distress (such as closing their eyes, having difficulty breathing), we will remove them from the restraint."

1b	Body weight of food/fluid restricted animals are recorded at least weekly (Guide, p 31) [Exception – Ad libitum food or water]	X		
Comments: N/A – previously approved Departure				
1d	Pharmaceutical-grade chemicals and other substances should be used, when available, for all animal-related procedures (Guide, p 31) [Exception - Nonpharma Grade Substances]	X	14	
Comments:				



14 AUPs were approved with a departure from the requirement to use pharmaceutical-grade compounds (Guide, p 31) due to shortage or disruption of availability, inclusion of additives which could confound data, and to maintain consistency with published data.

- **Departure (Guide text):** “The use of pharmaceutical-grade chemicals and other substances ensures that toxic or unwanted side effects are not introduced into studies conducted with experimental animals. They should therefore be used, when available, for all animal-related procedures (USDA 1997b). The use of non-pharmaceutical-grade chemicals or substances should be described and justified in the animal use protocol and be approved by the IACUC (Wolff et al. 2003).”
- **Justification from AUP 1:** “Varenecine is available at pharmaceutical grade, as a patented drug (Chantix, Pfizer). Chantix is formulated in tablets for humans at a concentration that is too high for rodents, and with proprietary chemical congeners of unknown biological activity. We plan to purchase the Pfizer manufactured varenecine that is formulated into Chantix.”
- **Justification from AUP 2:** “MS-222 – euthanasia. pH monitor will be used to measure pH of a stock solution. Enough sodium bicarbonate will be dissolved into the solution to achieve a pH between 7-7.5. Stock solution will be kept refrigerated and protected from light. Stock solution will be discarded one month after being made or anytime the solution becomes colored.”
- **Justification from AUP 3:** “Accepted/ commonly used practice for euthanasia of fish when buffered with water. Overdose = MS-222 by immersion as a means to induce rapid loss of consciousness and death with a minimum of pain, discomfort or distress.”
- **Justification from AUP 4:** “Avertin was previously available as a pharmaceutical grade substance, but is not longer being manufactured in this form. Avertin is only used for endpoint procedures and not for survival surgery. The use of Avertin allows us to correlate with previous data from previous studies, in which mice were anesthetized with Avertin prior to bilateral thoracotomy and perfusion and/or tissue collection.”
- **Justification from AUP 5:** “Pharmaceutical grade drugs are not commercially available in the doses required for this study. Morphine is obtained from the NIDA drug supply program (Catalog #9300-007). Oxycodone hydrochloride and fentanyl citrate are purchased from Millipore Sigma. We will also request these drugs from NIDA if they are available.”
- **Justification from AUP 6-8:** “The agents are intended for oral administration, people consume them as food supplements, and they are not required to be pharmacological grade. We are using not-pharmacological grade pentobarbital. This is because that i.p. administration of pentobarbital combination solutions (such as mixed solution such as euthasol) can cause potential for peritoneal irritation and pain.”
- **Justification from AUP 9:** “Avertin was previously available as a pharmaceutical grade substance, but is not longer being manufactured in this form. Recombinant human DNase1 is available in oral form as a pharmaceutical grade reagent, however, the potency (including the number of units of enzyme) and the efficacy of oral delivery in mice is not known. We will use purified recombinant bovine pancreas DNase1 to control dosing and to compare with the previous results of our collaborators.”
- **Justification from AUP 10-11:** “We are using non-pharmacological grade pentobarbital. This is because that i.p. administration of pentobarbital combination solutions (such as mixed solution such as euthasol) can cause potential for peritoneal irritation and pain.”
- **Justification from AUP 12:** “Avertin will be used for in utero electroporation. The PI [redacted] has previously tried avertin, ketamin/xyzazine, and isoflurane at this step and has found that, for in utero electroporation performed at early embryonic stages, the survival rate of the electroporated embryos is the highest when IP injection of avertin is used. Thus we prefer the use of avertin over ketamin/xyzazine or isoflurane because by using avertin we will need significantly less animals to achieve the same goal of this project.”
- **Justification from AUP 13:** “non-pharmaceutical grade substances are used on rare occasions when pharmaceutical grade cannot be applied for technical reasons.”
- **Justification from AUP 14:** “Scientific necessity as our and others previous data have been generated using non-pharmaceutical grade compounds. [...] These are terminal treatments in mice.”

ii. Terrestrial Animal Housing and Support Areas

E= Existing IACUC Approved Departure

N= New IACUC Approved Departure (include in semiannual report to IO)

NA= not applicable

1.	Location:	E	N	NA
1b	Separation of species (Guide, p 111) (Exception – Species Separation)	X		
Comments: N/A – previously approved Departure				
1d	Security and access control (Guide, p 151)	X		
Comments: N/A – previously approved Departure				

3.	Room/Cage: (Exception – Environmental Condition (nonhazard))	E	N	NA
3c	Illumination (Guide, p 47)	X	3	
Comments:				

3 AUPs were approved with a departure from the requirement for Illumination (Guide, p 47) due to lack of regular diurnal light cycle to support the scientific goals of the AUP.

- **Departure (Guide text):** "A time-controlled lighting system should be used to ensure a regular diurnal cycle, and system performance should be checked regularly to ensure proper cycling."
- **Justification from AUP 1-2:** "During the 4-5 weeks of CMS, seven stressors will be administered weekly, each stressor once a week in a random order. [...] 7) Light/Dark Disruption - one dark cycle of the 12/12 dark/light cycle was spent in light, resulting in 36 consecutive hours of light exposure. The order of appearance and daily schedule of each stressor will be altered weekly."
- **Justification from AUP 3:** "During the 4-5 weeks of CMS, once a week that mice will experience Light/Dark Disruption - one dark cycle of the 12/12 dark/light cycle was spent in light, resulting in 36 consecutive hours of light exposure."

<b>4.</b>	<b>Primary Enclosure: (Exception – Housing Density, Exception – Social Housing (experimental), &amp; Exception – Environmental Condition (nonhazard))</b>	<b>E</b>	<b>N</b>	<b>NA</b>
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4a	Space meets physiologic, behavioral, and social needs (Guide, pp 51, 55-63)	<b>X</b>	<b>2</b>	
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Comments:

2 AUPs were approved with a departure from the requirement for space meeting physiologic, behavioral, and social needs (Guide, pp 51, 55-63) due to increased housing density to support the scientific goals of the AUP.

- **Departure (Guide text):** "All animals should be housed under conditions that provide sufficient space as well as supplementary structures and resources required to meet physical, physiologic, and behavioral needs."
- **Justification from AUP 1:** "Justification for #9 increased housing density: trio breeding will be used. Trio breeding (one male plus two females) will lead to more successful breeding - it will increase the chance that female mice get pregnant and increase the survival of pups because the two females assist raising each other's pups. In cases where the size of both litters are large, the cage will be separated into two cages (one female with half of the pups in each cage) when the pups are about two weeks of age - at this stage cage separation will not decrease the survival of the pups."
- **Justification from AUP 2:** "Some strains of transgenic mice cannot be safely weaned until 28 days of age. This may result in "overcrowding" but every effort will be made to wean them as safely and quickly as possible."

4d	Flooring is safe and appropriate for species (Guide, p 51)	<b>X</b>	<b>1</b>	
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Comments:

1 AUP was approved with a departure from the requirement that flooring is safe and appropriate for species (Guide, p 51) due to non-standard flooring type used to support the scientific goals of the AUP.

- **Departure (Guide text):** "If wire-mesh flooring is used, a solid resting area may be beneficial, as this floor type can induce foot lesions in rodents and rabbits (Drescher 1993; Fullerton and Gillatt 1967; Rommers and Meijerhof 1996). The size and weight of the animal as well as the duration of housing on wire-mesh floors may also play a role in the development of this condition (Peoce et al. 2001). When given the choice, rodents prefer solid floors (with bedding) to grid or wire-mesh flooring (Blom et al. 1996; Manser et al. 1995, 1996)."
- **Justification from AUP 1:** "Mesh floors will be used to aid in the recovery of ticks."

4e	Adequate bedding and structures for resting, sleeping, and breeding (Guide, p 52)	<b>X</b>	<b>1</b>	
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Comments:

1 AUP was approved with a departure from the requirement for adequate bedding and structures for resting, sleeping, and breeding (Guide, p 52) due to non-standard flooring type used to support the scientific goals of the AUP.

- **Departure (Guide text):** "Animals should have adequate bedding substrate and/or structures for resting and sleeping."
- **Justification from AUP 1:** "Mesh floors will be used to aid in the recovery of ticks."

<b>5.</b>	<b>Environmental Enrichment, Behavioral and Social Management: (Exception – Enrichment)</b>	<b>E</b>	<b>N</b>	<b>NA</b>
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5f	Additional enrichment for solitary housed animals is provided (Guide, p 64)	<b>X</b>	<b>1</b>	
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Comments:

1 AUP was approved with a departure from the requirement that additional enrichment for single housed animals be provided (Guide, p 64) due to lack of added enrichment to support the scientific goals of the AUP.

- **Departure (Guide text):** "In the absence of other animals, enrichment should be offered such as positive interaction with the animal care staff and additional enrichment items or addition of a companion animal in the room or housing area."
- **Justification from AUP 1:** "Enrichment will be avoided when mice are infested, as the mice may groom themselves against the hubs losing ticks. Crinkle paper may also serve for ticks to attach too and decrease the efficiency of the infestation."

<b>9.</b>	<b>Water:</b>	<b>E</b>	<b>N</b>	<b>NA</b>
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9a	Ad libitum (Guide, pp 67-68) (Exception – Ad libitum food or water)	<b>X</b>		
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Comments: N/A – previously approved Departure

<b>10.</b>	<b>Bedding and Nesting Materials:</b>	<b>E</b>	<b>N</b>	<b>NA</b>
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10b	Keep animals dry ( <i>Guide</i> , <a href="#">pp 68-69</a> ) ( <i>Exception – Environmental Condition (nonhazard)</i> )	X		
Comments: N/A – previously approved Departure				

11.	<b>Sanitation:</b> ( <i>Exception – Sanitation (Enclosure) &amp; Exception – Sanitation (Other)</i> )	E	N	NA
11a	Frequency of bedding/substrate change ( <i>Guide</i> , <a href="#">p 70</a> )	X		
Comments: N/A – previously approved Departure				
11b	Cleaning and disinfection of microenvironment ( <i>Guide</i> , <a href="#">pp 70-71</a> )	X	1	

Comments:

The IACUC approved one (1) facility departure from the requirement for cleaning and disinfection of microenvironment (*Guide*, pp. 70-71) due to reduced sanitation rotation of filter bonneted racks.

- **Departure (*Guide text*):** "In general, enclosures and accessories, such as tops, should be sanitized at least once every 2 weeks."
- **Justification:** "We do not have a rack tunnel washer and the racks are all hand washed. This change has come about because the racks are continually meeting regulatory requirements for cleanliness as shown by contact plate data. We propose the racks be removed from the mouse room and stripped down once a month unless the 2-week contact plate data indicates otherwise."

### iii. Aquatic Animal Housing and Support Areas

E= Existing IACUC approved departure

N= New IACUC approved departure (include in semiannual report to IO)

NA= not applicable

1.	<b>Location:</b>	E	N	NA
1b	Separation of species ( <i>Guide</i> , <a href="#">p 111</a> ) ( <i>Exception – Species Separation</i> )	X		
Comments: N/A – previously approved Departure				

6.	<b>Primary Enclosure:</b> ( <i>Exception – Environmental Condition (nonhazard)</i> ) ( <i>Exception – Environmental Condition (hazard)</i> )	E	N	NA
6d	Provides appropriate water quality and monitoring ( <i>Guide</i> , <a href="#">p 82</a> )	X		
Comments: N/A – previously approved Departure				

### v. Special Facilities: Aseptic Surgery

E= Existing IACUC approved departure

N= New IACUC approved departure (include in semiannual report to IO)

NA= not applicable

1.	<b>General Considerations:</b>	E	N	NA
1f	Aseptic procedures in use for all survival surgery ( <i>Guide</i> , <a href="#">pp 118-119</a> ) ( <i>Exception – Aseptic Technique</i> )	X		
Comments: N/A – previously approved Departure				

2.	<b>Additional Concerns for Survival Strategy:</b> (rodent and minor procedures only)	E	N	NA
2c	Aseptic procedures ( <i>Guide</i> , <a href="#">pp 118-119</a> ) ( <i>Exception – Aseptic Technique</i> )	X	1	
Comments:				
1 AUP was approved with a departure from the requirement for aseptic procedures ( <i>Guide</i> , pp 118-119) due to lack of hair removal in order to reduce exposure and irritation.				
<ul style="list-style-type: none"> <li>• <b>Departure (<i>Guide text</i>):</b> "Regardless of the species, aseptic technique includes preparation of the patient, such as hair or feather removal and disinfection of the operative site".</li> <li>• <b>Justification from AUP 1:</b> "No shaving needed during all listed surgeries as from our experience it adds unnecessary exposure and irritation of skin and produces loose hair that may get into the open wound, though in some cases some hair may need to be clipped to expose the excision site".</li> </ul>				

**ATTACHMENT 3**

OVERALL DEFICIENCIES:	
ITEM B.4.g <b>123</b>	<p><b>Special precautions for the use of paralytics are in place to ensure anesthesia' (Guide, p 123)</b></p> <ul style="list-style-type: none"> <li><b>IACUC Finding:</b> IACUC Guidance TAMU-G-002 includes the term "muscle relaxant" used interchangeably with the term "muscular blocking agent". TAMU-G-002 also references TAMU-G-011, for which the website link is not functional.</li> <li><b>Corrective Action:</b> Strike "Muscle relaxants or" from section 5.5.7 of IACUC Guidance TAMU-G-002 and repair the DOR website link for Guidance TAMU-G-011.</li> <li><b>Timeline for Correction:</b> November 30, 2022</li> </ul>

**I. IACUC Semiannual Program Review Checklist ii****A. Institutional Policies and Responsibilities**

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)

R = Repeat

NA = not applicable

<b>1. Animal Care and Use Program - 1075</b>	A	M	S	C	R	NA
<b>1a</b> Responsibility for animal well-being is assumed by all members of the program (Guide, <a href="#">p 1</a> ) [must]	X					
Comments:						
<b>1b</b> IO has authority to allocate needed resources (Guide, <a href="#">p 13</a> )	X					
Comments:						
<b>1c</b> Resources necessary to manage program of veterinary care are provided (Guide, <a href="#">p 14</a> ) [must]	X					
Comments:						
<b>1d</b> Sufficient resources are available to manage the program, including training of personnel in accord with regulations and the Guide (Guide, <a href="#">pp 11, 15</a> )	X					
Comments:						
<b>1e</b> Program needs are regularly communicated to IO by AV and/or IACUC (Guide, <a href="#">p 13</a> )	X					
Comments:						
<b>1f</b> Responsibilities for daily animal care and facility management are assigned to specific individual(s) when a full-time veterinarian is not available on site (Guide, <a href="#">p 14</a> ) [must]	X					
Comments:						
<b>1g</b> Inter-institutional collaborations are described in formal written agreements (Guide, <a href="#">p 15</a> )	X					
Comments:						
<b>1h</b> Written agreements address responsibilities, animal ownership, and IACUC oversight (Guide, <a href="#">p 15</a> )	X					
Comments:						

<b>2. Disaster Planning and Emergency Preparedness - 1079 + 1073</b>	A	M	S	C	R	NA
<b>2a</b> Disaster plans for each facility to include satellite locations are in place (Guide, <a href="#">p 35</a> , <a href="#">p 75</a> ) [must]	X					
Comments:						
<b>2b</b> Plans include provisions for euthanasia (Guide, <a href="#">p 35</a> ) [must]	X					
Comments:						
<b>2c</b> Plans include triage plans to meet institutional and investigators' needs (Guide, <a href="#">p 35</a> )	X					
Comments:						
<b>2d</b> Plans define actions to prevent animal injury or death due to HVAC or other failures (Guide, <a href="#">p 35</a> )	X					
Comments:						
<b>2e</b> Plans describe preservation of critical or irreplaceable animals (Guide, <a href="#">p 35</a> )	X					
Comments:						
<b>2f</b> Plans include essential personnel and their training (Guide, <a href="#">p 35</a> )	X					
Comments:						



<b>2g</b>	Animal facility plans are approved by the institution and incorporated into overall response plan ( <i>Guide, p 35</i> )	X							
Comments:									
<b>2h</b>	Law enforcement and emergency personnel are provided a copy and integration with overall plan is in place ( <i>Guide, p 35</i> )	X							
Comments:									

<b>3.</b>	<b>IACUC – 1028</b>	<b>A</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>C</b>	<b>R</b>	<b>NA</b>	
<b>3a</b>	Meets as necessary to fulfill responsibilities ( <i>Guide, p 25</i> ) [must]	X							
Comments:									
<b>3b</b>	IACUC Members named in protocols or with conflicts recuse themselves from protocol decisions ( <i>Guide, p 26</i> ) [must]	X							
Comments:									
<b>3c</b>	Continuing IACUC oversight after initial protocol approval is in place ( <i>Guide, p 33</i> )	X							
Comments:									
<b>3d</b>	IACUC evaluates the effectiveness of training programs ( <i>Guide, p 15</i> )	X							
Comments:									

<b>4.</b>	<b>IACUC Protocol Review – Special Considerations – 1090 + 1091</b>	<b>A</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>C</b>	<b>R</b>	<b>NA</b>	
<b>4a</b>	Humane endpoints are established for studies that involve tumor models, infectious diseases, vaccine challenge, pain modeling, trauma, production of monoclonal antibodies, assessment of toxicologic effects, organ or system failure, and models of cardiovascular shock ( <i>Guide, p 27</i> )	X							
Comments:									
<b>4b</b>	For pilot studies, a system to communicate with the IACUC is in place ( <i>Guide, p 28</i> )	X							
Comments:									
<b>4c</b>	For genetically modified animals, enhanced monitoring and reporting is in place ( <i>Guide, p 28</i> )	X							
Comments:									
<b>4d</b>	Restraint devices are justified in the animal use protocols ( <i>Guide, p 29</i> ) [must]	X							
Comments:									
<b>4e</b>	Alternatives to physical restraint are considered ( <i>Guide, p 29</i> )	X							
Comments:									
<b>4f</b>	Period of restraint is the minimum to meet scientific objectives ( <i>Guide, p 29</i> )	X							
Comments:									
<b>4g</b>	Training of animals to adapt to restraint is provided ( <i>Guide, p 29</i> )	X							
Comments:									
<b>4h</b>	Animals that fail to adapt are removed from study ( <i>Guide, p 29</i> )	X							
Comments:									
<b>4i</b>	Appropriate observation intervals of restrained animals are provided ( <i>Guide, p 29</i> )	X							
Comments:									
<b>4j</b>	Veterinary care is provided if lesions or illness result from restraint ( <i>Guide, p 30</i> ) [must]	X							
Comments:									
<b>4k</b>	Explanations of purpose and duration of restraint are provided to study personnel ( <i>Guide, p 30</i> )	X							
Comments:									
<b>4l</b>	Multiple surgical procedures on a single animal are justified and outcomes evaluated ( <i>Guide, p 30</i> )	X							
Comments:									
<b>4m</b>	Major versus minor surgical procedures are evaluated on a case-by-case basis ( <i>Guide, p 30</i> )	X							
Comments:									
<b>4n</b>	Multiple survival procedure justifications in non-regulated species conform to regulated species standards ( <i>Guide, p 30</i> )	X							
Comments:									
<b>4o</b>	Animals on food/fluid restriction are monitored to ensure nutritional needs are met ( <i>Guide, p 31</i> )	X							
Comments:									
<b>4p</b>	Body weights for food/fluid restricted animals are recorded at least weekly ( <i>Guide, p 31</i> )	X							
Comments:									
<b>4q</b>	Daily written records are maintained for food/fluid restricted animals ( <i>Guide, p 31</i> )	X							
Comments:									

<b>4r</b>	Pharmaceutical grade chemicals are used , when available, for animal-related procedures ( <i>Guide, p 31</i> )	X							
Comments:									
<b>4s</b>	Non-pharmaceutical grade chemicals are described, justified, and approved by IACUC ( <i>Guide, p 31</i> )	X							
Comments:									
<b>4t</b>	Investigators conducting field studies know zoonotic diseases, safety issues, laws and regulations applicable in study area ( <i>Guide, p 32</i> )	X							
Comments:									
<b>4u</b>	Disposition plans are considered for species removed from the wild ( <i>Guide, p 32</i> )	X							
Comments:									
<b>4v</b>	Toe-clipping only used when no alternative, performed aseptically and with pain relief ( <i>Guide, p 75</i> )	X							
Comments:									

<b>5.</b>	<b>IACUC Membership and Functions - 1066</b>	A	M	S	C	R	NA
<b>5a</b>	IACUC is comprised of at least 5 members, appointed by CEO (PHS Policy, <i>IV.A.3.</i> )						
Comments:							
<b>5b</b>	Members include a veterinarian, a scientist, a nonscientist, and a nonaffiliated non-lab animal user ( <i>Guide, p 24</i> ) <sup>iii</sup>	X					
Comments:							
<b>5c</b>	IACUC authority and resources for oversight and evaluation of institution's program are provided ( <i>Guide, p 14</i> )	X					
Comments:							
<b>5d</b>	IACUC conducts semiannual evaluations of institutional animal care and use program (PHS Policy, <i>IV.B.</i> )	X					
Comments:							
<b>5e</b>	Conducts semiannual inspections of institutional animal facilities (PHS Policy, <i>IV.B.</i> )	X					
Comments:							
<b>5f</b>	IACUC organizationally reports to the Institutional Official (PHS Policy, <i>IV.A.1.b.</i> )	X					
Comments:							
<b>5g</b>	Methods for reporting and investigating animal welfare concerns are in place ( <i>Guide, p 23</i> ) [must]	X					
Comments:							
<b>5h</b>	Reviews and investigates concerns about animal care and use at institution <sup>iv</sup> (PHS Policy, <i>IV.B.</i> )	X					
Comments:							
<b>5i</b>	Procedures are in place for review, approval, and suspension of animal activities <sup>v</sup> (PHS Policy, <i>IV.B.</i> )	X					
Comments:							
<b>5j</b>	Procedures are in place for review and approval of significant changes to approved activities (PHS Policy, <i>IV.B.</i> )	X					
Comments:							
<b>5k</b>	Policies are in place for special procedures (e.g., genetically modified animals, restraint, multiple survival surgery, food and fluid regulation, field investigations, agricultural animals) ( <i>Guide, p 27-32</i> )	X					
Comments:							
<b>5l</b>	Requests for exemptions from major survival surgical procedure restrictions are made to USDA/APHIS <sup>vi</sup> ( <i>Guide, p 30</i> ) [must]	X					
Comments:							

<b>6.</b>	<b>IACUC Training – 1039 + 1088</b>	A	M	S	C	R	NA
<b>6a</b>	<b>All IACUC members should receive:</b>						
<b>6a1</b>	Formal orientation to institution's program ( <i>Guide, p 17</i> )	X					
Comments:							
<b>6a2</b>	Training on legislation, regulations, guidelines, and policies ( <i>Guide, p 17</i> )	X					
Comments:							
<b>6a3</b>	Training on how to inspect facilities and labs where animal use or housing occurs ( <i>Guide, p 17</i> )	X					
Comments:							
<b>6a4</b>	Training on how to review protocols as well as evaluate the program ( <i>Guide, p 17</i> )	X					
Comments:							
<b>6a5</b>	Ongoing training/education ( <i>Guide, p 17</i> )	X					
Comments:							



<b>7. IACUC Records and Reporting Requirements<sup>vii</sup> - 1074</b>		<b>A</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>R</b>	<b>NA</b>
<b>7a Semiannual report to the IO (PHS Policy, <a href="#">IV.B.</a>):</b>							
7a.1	Submitted to IO every 6 months	X					
Comments:							
7a.2	Promptly advises OLAW of serious/ongoing <i>Guide</i> deviations or PHS Policy noncompliance ( <a href="#">NOT-OD-05-034</a> )	X					
Comments:							
7a.3	Institute must promptly advise OLAW of any suspension of an animal activity by the IACUC ( <a href="#">NOT-OD-05-034</a> )	X					
Comments:							
7a.4	Describes IACUC-approved departures from the <i>Guide</i> or PHS Policy and the reasons for each departure <sup>viii</sup>	X					
Comments:							
7a.5	Distinguishes significant from minor deficiencies	X					
Comments:							
7a.6	Includes a plan and schedule for correction for each deficiency identified <sup>ix</sup>	X					
Comments:							
<b>7b Reports to OLAW (PHS Policy, <a href="#">IV.F.</a>):</b>							
7b.1	Annual report to OLAW documents program changes, dates of the semiannual program reviews and facility inspections and includes any minority views	X					
Comments:							
7b.2	Promptly advises OLAW of serious/ongoing <i>Guide</i> deviations or PHS Policy noncompliance ( <a href="#">NOT-OD-05-034</a> )	X					
Comments:							
7b.3	Institute must promptly advise OLAW of any suspension of an animal activity by the IACUC ( <a href="#">NOT-OD-05-034</a> )	X					
Comments:							
<b>7c Reports to U.S. Department of Agriculture (USDA) or Federal funding agency<sup>x</sup>:</b>							
7c.1	Annual report to USDA contains required information including all exceptions/exemptions	X					
Comments:							
7c.2	Reporting mechanism to USDA is in place for IACUC-approved exceptions to the regulations and standards	X					
Comments:							
7c.3	Reports are filed within 15 days for failures to adhere to timetable for correction of significant deficiencies	X					
Comments:							
7c.4	Promptly reports suspensions of activities by the IACUC to USDA and any Federal funding agency	X					
Comments:							
<b>7d Records:</b>							
7d.1	IACUC meeting minutes and semiannual reports to the IO are maintained for 3 years	X					
Comments:							
7d.2	Records of IACUC reviews of animal activities include all required information <sup>xi</sup>	X					
Comments:							
7d.3	Records of IACUC reviews are maintained for 3 years after the completion of the study	X					
Comments:							

<b>8. Veterinary Care (See also next section – Veterinary Care) - 1073</b>		<b>A</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>R</b>	<b>NA</b>
8a	An arrangement for veterinarian(s) with training or experience in lab animal medicine is in place including backup veterinary care <sup>xii</sup>	X					
Comments:							
8b	Veterinary access to all animals is provided ( <a href="#">Guide, p.14</a> ) [ <a href="#">must</a> ]	X					
Comments:							
8c	Direct or delegated authority is given to the veterinarian to oversee all aspects of animal care and use ( <a href="#">Guide, p.14</a> ) [ <a href="#">must</a> ]	X					
Comments:							
8d	Veterinarian provides consultation when pain and distress exceeds anticipated level in protocol ( <a href="#">Guide, p.5</a> ) [ <a href="#">must</a> ]	X					
Comments:							

<b>8e</b>	Veterinarian provides consultation when interventional control is not possible ( <i>Guide, p 5</i> ) [must]	X							
Comments:									
<b>8f</b>	If part time /consulting veterinarian, visits meet programmatic needs ( <i>Guide, p 14</i> )	X							
Comments:									
<b>8g</b>	Regular communication occurs between veterinarian and IACUC ( <i>Guide, p 14</i> )	X							
Comments:									
<b>8h</b>	Veterinarian(s) have experience and training in species used ( <i>Guide, p 15</i> ) [must]	X							
Comments:									
<b>8i</b>	Veterinarian(s) have experience in facility administration/management ( <i>Guide, p 15</i> )	X							
Comments:									

<b>9.</b>	<b>Personnel Qualifications and Training - 1049</b>	<b>A</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>R</b>	<b>NA</b>
<b>9a</b>	All personnel are adequately educated, trained, and/or qualified in basic principles of laboratory animal science. Personnel included: [must]						
9a.1	Veterinary/other professional staff ( <i>Guide, p 15-16</i> )	X					
Comments:							
9a.2	IACUC members ( <i>Guide, p 17</i> )	X					
Comments:							
9a.3	Animal care personnel ( <i>Guide, p 16</i> )	X					
Comments:							
9a.4	Research investigators, instructors, technicians, trainees, and students ( <i>Guide, pp 16-17</i> )	X					
Comments:							
<b>9b</b>	Continuing education for program and research staff provided to ensure high quality care and reinforce training ( <i>Guide, pp 16-17</i> )	X					
Comments:							
<b>9c</b>	Training is available prior to starting animal activity ( <i>Guide, p 17</i> )	X					
Comments:							
<b>9d</b>	Training is documented ( <i>Guide, p 15</i> )	X					
Comments:							
<b>9e</b>	Training program content includes: ( <i>Guide, p 17</i> )						
9e.1	Methods for reporting concerns ( <i>Guide, p 17</i> )	X					
Comments:							
9e.2	Humane practices of animal care (e.g., housing, husbandry, handling) <sup>xiii</sup>	X					
Comments:							
9e.3	Humane practices of animal use (e.g., research procedures, use of anesthesia, pre- and post-operative care, aseptic surgical techniques and euthanasia ( <i>Guide, p 17</i> ) <sup>xiv</sup>	X					
Comments:							
9e.4	Research/testing methods that minimize numbers necessary to obtain valid results (PHS Policy, <i>IV.A.1.g.</i> )	X					
Comments:							
9e.5	Research/testing methods that minimize animal pain or distress (PHS Policy, <i>IV.A.1.g.</i> )	X					
Comments:							
9e.6	Use of hazardous agents, including access to OSHA chemical hazard notices where applicable ( <i>Guide, p 20</i> )	X					
Comments:							
9e.7	Animal care and use legislation ( <i>Guide, p 17</i> )	X					
Comments:							
9e.8	IACUC function ( <i>Guide, p 17</i> )	X					
Comments:							
9e.9	Ethics of animal use and Three R's ( <i>Guide, p 17</i> )	X					
Comments:							
<b>10.</b>	<b>Occupational Health and Safety of Personnel - 1028</b>	<b>A</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>R</b>	<b>NA</b>
<b>10a</b>	Program is in place and is consistent with federal, state, and local regulations ( <i>Guide, p 17</i> ) [must]	X					
Comments:							
<b>10b</b>	Program covers all personnel who work in laboratory animal facilities ( <i>Guide, p 18</i> )	X					
Comments:							

[illegible]

<b>12a</b>	Methods for investigating and reporting animal welfare concerns are established ( <i>Guide, p 23</i> )	X							
Comments:									
<b>12b</b>	Reported concerns and corrective actions are documented ( <i>Guide, p 24</i> )	X							
Comments:									
<b>12c</b>	Mechanisms for reporting concerns are posted in facility and at applicable website with instructions ( <i>Guide, p 24</i> )	X							
Comments:									
<b>12c.</b>	Includes multiple contacts ( <i>Guide, p 24</i> )	X							
1									
Comments:									
<b>12c.</b>	Includes anonymity, whistle blower policy, nondiscrimination and reprisal protection ( <i>Guide, p 24</i> )	X							
2									
Comments:									

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)  
R = Repeat  
NA = not applicable

**B. Veterinary Care**

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)  
R = Repeat  
NA = not applicable

<b>1.</b>	<b>Clinical Care and Management - 1075</b>	A	M	S	C	R	NA
<b>1a</b>	Veterinary program offers high quality of care and ethical standards ( <i>Guide, p 105</i> )	[must]	X				
Comments:							
<b>1b</b>	Veterinarian provides guidance to all personnel to ensure appropriate husbandry, handling, treatment, anesthesia, analgesia, and euthanasia ( <i>Guide, p 106</i> )	X					
Comments:							
<b>1c</b>	Veterinarian provides oversight to surgery and perioperative care ( <i>Guide, p 106</i> )	X					
Comments:							
<b>1d</b>	Veterinary care program is appropriate for program requirements ( <i>Guide, pp 113-114</i> )	X					
Comments:							
<b>1e</b>	Veterinarian(s) is familiar with species and use of animals and has access to medical and experimental treatment records ( <i>Guide, p 114</i> )	X					
Comments:							
<b>1f</b>	Procedures to triage and prioritize incident reports are in place ( <i>Guide, p 114</i> )	X					
Comments:							
<b>1g</b>	<b>Procedures are in place to address:</b>						
<b>1g.1</b>	Problems with experiments to determine course of treatment in consultation with investigator( <i>Guide, p 114</i> )	X					
Comments:							
<b>1g.2</b>	Recurrent or significant health problems with the IACUC and documentation of treatments and outcomes ( <i>Guide, p 114</i> )	X					
Comments:							
<b>1g.3</b>	Veterinary review and oversight of medical and animal use records ( <i>Guide, p 115</i> )	X					
Comments:							
<b>1h</b>	Procedures established for timely reporting of animal injury, illness, or disease ( <i>Guide, p 114</i> )	[must]	X				
Comments:							
<b>1i</b>	Procedures established for veterinary assessment, treatment, or euthanasia ( <i>Guide, p 114</i> )	[must]	X				
Comments:							

<b>1j</b>	Veterinarian is authorized to treat, relieve pain, and/or euthanize ( <i>Guide, p 114</i> ) [must]	X							
Comments:									
<b>2.</b>	<b>Animal Procurement and Transportation/Preventive Medicine - 1039</b>	<b>A</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>R</b>	<b>NA</b>		
<b>2a</b>	Procedures for lawful animal procurement are in place ( <i>Guide, p 106</i> ) [must]	X							
Comments:									
<b>2b</b>	Sufficient facilities and expertise are confirmed prior to procurement ( <i>Guide, p 106</i> )	X							
Comments:									
<b>2c</b>	Procurement is linked to IACUC review and approval ( <i>Guide, p 106</i> )	X							
Comments:									
<b>2d</b>	Random source dogs and cats are inspected for identification ( <i>Guide, p 106</i> )							X	
Comments:									
<b>2e</b>	Population status of wildlife species is considered prior to procurement ( <i>Guide, p 106</i> )	X							
Comments:									
<b>2f</b>	Appropriate records are maintained on animal acquisition ( <i>Guide, p 106</i> )	X							
Comments:									
<b>2g</b>	Animal vendors are evaluated to meet program needs and quality ( <i>Guide, p 106</i> )	X							
Comments:									
<b>2h</b>	Breeding colonies are based on need and managed to minimize numbers ( <i>Guide, p 107</i> )	X							
Comments:									
<b>2i</b>	Procedures for compliance with animal transportation regulations, including international requirements, are in place ( <i>Guide, p 107</i> ) [must]	X							
Comments:									
<b>2j</b>	Transportation is planned to ensure safety, security and minimize risk ( <i>Guide, p 107</i> )	X							
Comments:									
<b>2k</b>	Movement of animals is planned to minimize transit time and deliveries are planned to ensure receiving personnel are available ( <i>Guide, pp 107-108</i> )	X							
Comments:									
<b>2l</b>	Appropriate loading and unloading facilities are available ( <i>Guide, p 109</i> )	X							
Comments:									
<b>2m</b>	Environment at receiving site is appropriate ( <i>Guide, p 109</i> )	X							
Comments:									
<b>2n</b>	Policies in place on separation by species, source, and health status ( <i>Guide, pp 109, 111-112</i> )	X							
Comments:									
<b>2o</b>	Procedures in place for quarantine to include zoonoses prevention ( <i>Guide, p 110</i> )	X							
Comments:									
<b>2p</b>	Quarantined animals from different shipments are handled separately or physically separated ( <i>Guide, p 110</i> )	X							
Comments:									
<b>2q</b>	Procedures in place for stabilization/acclimation ( <i>Guide, pp 110-111</i> )	X							
Comments:									
<b>2r</b>	Policies in place for isolation of sick animals ( <i>Guide, p 112</i> )	X							
Comments:									
<b>2s</b>	Program is in place for surveillance, diagnosis, treatment and control of disease to include daily observation ( <i>Guide, p 112</i> )	X							
Comments:									
<b>2t</b>	Diagnostic resources are available for preventive health program ( <i>Guide, p 112</i> )	X							
Comments:									
<b>3.</b>	<b>Surgery – 1091</b>	<b>A</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>R</b>	<b>NA</b>		
<b>3a</b>	Surgical outcomes are assessed and corrective changes instituted ( <i>Guide, p 115</i> )	X							
Comments:									
<b>3b</b>	Researchers have appropriate training to ensure good technique ( <i>Guide, p 115</i> ) [must]	X							
Comments:									
<b>3c</b>	Pre-surgical plans are developed and include veterinary input (e.g., location, supplies, anesthetic and analgesic use, peri-operative care, recordkeeping) ( <i>Guide, p 116</i> )	X							
Comments:									

<b>3d</b>	Aseptic surgery is conducted in dedicated facilities or spaces, unless exception justified and IACUC approved ( <a href="#">Guide, p 116</a> )	X									
Comments:											
<b>3e</b>	Surgical procedures including laparoscopic procedures are categorized as major or minor ( <a href="#">Guide, pp 117-118</a> )	X									
Comments:											
<b>3f</b>	For nonsurvival surgery, the site is clipped, gloves are worn and instruments and area are clean ( <a href="#">Guide, p 118</a> )	X									
Comments:											
<b>3g</b>	Aseptic technique is followed for survival surgical procedures ( <a href="#">Guide, pp 118-119</a> )	X									
Comments:											
<b>3h</b>	Effective procedures for sterilizing instruments and monitoring expiration dates on sterile packs are in place ( <a href="#">Guide, p 119</a> )	X									
Comments:											
<b>3i</b>	Procedures for monitoring surgical anesthesia and analgesia are in place ( <a href="#">Guide, p 119</a> )	X									
Comments:											
<b>3j</b>	For aquatic species, skin surfaces are kept moist during surgical procedures ( <a href="#">Guide, p 119</a> )	X									
Comments:											
<b>3k</b>	Post-operative monitoring and care are provided by trained personnel and documented (e.g., thermoregulation, physiologic function, analgesia, infection, removal of skin closures) ( <a href="#">Guide, pp 119-120</a> )	X									
Comments:											

<b>4.</b>	<b>Pain, Distress, Anesthesia, and Analgesia – 1090</b>	<b>A</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>R</b>	<b>NA</b>
<b>4a</b>	Guidelines for assessment and categorization of pain, distress and animal wellbeing are provided during training ( <a href="#">Guide, p 121</a> )	X					
Comments:							
<b>4b</b>	Selection of analgesics and anesthetics is based on professional veterinary judgment ( <a href="#">Guide, p 121</a> )	X					
Comments:							
<b>4c</b>	Painful procedures are monitored to ensure appropriate analgesic management ( <a href="#">Guide, p 122</a> )	X					
Comments:							
<b>4d</b>	Nonpharmacologic control of pain is considered as an element of postprocedural care ( <a href="#">Guide, p 122</a> )	X					
Comments:							
<b>4e</b>	Procedures are in place to assure antinociception before surgery begins ( <a href="#">Guide, p 122</a> ) <b>[must]</b>	X					
Comments:							
<b>4f</b>	Guidelines for selection and use of analgesics and anesthetics are in place and regularly reviewed and updated ( <a href="#">Guide, p 122</a> )	X					
Comments:							
<b>4g</b>	Special precautions for the use of paralytics are in place to ensure anesthesia <sup>x</sup> ( <a href="#">Guide, p 123</a> )		X				
Comments:							
Comments: Need to revise section 5.5.7 of TAMU-G-002 striking the first 3 words "Muscle relaxants or". It was also noted that the link on the guidance document webpage for TAMU-G-011 is not working. Correct by November 30, 2022.							

<b>5.</b>	<b>Euthanasia - 1068</b>	<b>A</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>R</b>	<b>NA</b>
<b>5a</b>	Methods are consistent with AVMA Guidelines on Euthanasia unless approved by the IACUC ( <a href="#">Guide, p 123</a> )	X					
Comments:							
<b>5b</b>	Standardized methods are developed and approved by the veterinarian and IACUC that avoid distress and consider animal age and species ( <a href="#">Guide, pp 123-124</a> )	X					
Comments:							
<b>5c</b>	Training is provided on appropriate methods for each species and considers psychological stress to personnel ( <a href="#">Guide, p 124</a> )	X					
Comments:							
<b>5d</b>	Procedures and training are in place to ensure death is confirmed ( <a href="#">Guide, p 124</a> ) <b>[must]</b>	X					
Comments:							

<b>6.</b>	<b>Drug Storage and Control - 1079</b>	<b>A</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>R</b>	<b>NA</b>
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<b>6a</b>	Program complies with federal regulations for human and veterinary drugs( <i>Guide, p 115</i> ) [must]	X							
Comments:									
<b>6b</b>	Drug records and storage procedures are reviewed during facility inspections ( <i>Guide, p 115</i> )	X							
Comments:									
<b>6c</b>	Procedures are in place to ensure analgesics and anesthetics are used within expiration date ( <i>Guide, p 122</i> ) [must]	X							
Comments:									
<b>6d</b>	Anesthetics and analgesics are acquired, stored, and their use and disposal are recorded legally and safely ( <i>Guide, p 122</i> )	X							
Comments:									

**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)  
**R** = Repeat  
**NA** = not applicable

**II. Endnotes**

- <sup>i</sup> 2.31(d)(iv)(C) - "Procedures that may cause more than momentary or slight pain or distress to the animals will...not include the use of paralytics without anesthesia."
- <sup>ii</sup> The PHS Policy requires that Assured institutions comply with the regulations (9 CFR, Subchapter A) issued by the U.S. Department of Agriculture (USDA) under the Animal Welfare Act, as applicable. The endnotes below are specific USDA regulatory requirements that differ from or are in addition to the PHS Policy. This list is not intended to be all inclusive. For additional information please refer to 9 CFR Subchapter A - Animal Welfare.
- <sup>iii</sup> Part 2 Subpart C - Research Facilities  
- 2.31(b)(2) - "The Committee shall be composed of a Chairman and at least two additional members;... at least one shall not be affiliated in any way with the facility...such person will provide representation for general community interests in the proper care and treatment of animals." [PHS policy requires 5 members]
- <sup>iv</sup> 2.32(c)(4) - "...No facility employee, Committee member, or laboratory personnel shall be discriminated against or be subject to any reprisal for reporting violations of any regulation or standards under the Act." [USDA requirement additional to PHS Policy]
- <sup>v</sup> 2.31(d)(5) - "...shall conduct continuing reviews of activities...not less than annually." [PHS Policy requires a complete new review every 3 years utilizing all the criteria for initial review]
- <sup>vi</sup> 2.31(d)(1)(x) - "...no animal will be used in more than one major operative procedure from which it is allowed to recover unless...(t) is justified for scientific reasons...(or is) required as routine veterinary procedure...or other special circumstances as determined by the Administrator on an individual basis." [this last point is an additional USDA justification for multiple survival surgeries]
- <sup>vii</sup> 2.36 - "...each reporting facility shall submit an annual report to the APHIS, AC sector supervisor for the State where the facility is located on or before December 1 of each calendar year." [The USDA annual report has a list of requirements which differ from PHS annual report]
- <sup>viii</sup> 2.36(b)(3) - "...exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the IACUC. A summary of all such exceptions must be attached to the facility's annual report." [Refers to USDA annual report]
- <sup>ix</sup> 2.31(c)(3) - "...Any failure to adhere to the plan and schedule that results in a significant deficiency remaining uncorrected shall be reported in writing within 15 business days by the IACUC, through the institutional official, to APHIS and any Federal agency funding that activity." [PHS Policy requires prompt reporting to OPRR of serious or continuing noncompliance with the PHS Policy or serious deviations from the provisions of the *Guide*]
- <sup>x</sup> 2.36 - "...each reporting facility shall submit an annual report to the APHIS, AC sector supervisor for the State where the facility is located on or before December 1 of each calendar year." [The USDA annual report has a list of requirements which differ from PHS annual report]
- <sup>xi</sup> In addition to PHS requirements for IACUC review/application for funding, USDA regulations require:  
2.31(d)(1)(i) - "The principal investigator (PI) consider alternatives to procedures that cause more than momentary or slight pain or distress to the animals, and has provided a written narrative description of the methods and sources...used to determine that alternatives were not available."  
2.31(d)(1)(iii) - "The PI has provided written assurance that the activities do not unnecessarily duplicate previous experiments."  
2.31(d)(1)(iv) - "Procedures that may cause more than momentary or slight pain or distress to the animals will:  
- involve in their planning, consultation with the attending veterinarian or his or her designee; [PHS Policy does not specify veterinary consultation]

- not include paralytics without the use of anesthesia;”

2.31(d)(1)(x) - “No animal will be used in more than one major operative procedure from which it is allowed to recover, unless justified for scientific reasons by the principal investigator, in writing...”

xii 2.33(a)(1) - “In the case of a part-time attending veterinarian or consultant arrangements, the formal arrangements shall include a written program of veterinary care and regularly scheduled visits to the research facility.” [USDA requirement additional]

xiii 2.32(c) - “Humane methods of animal maintenance and experimentation, including the basic needs of each species, proper handling and care for the various species of animals used by the facility, proper pre-procedural and post-procedural care of animals, and aseptic surgical methods and procedures.”

xiv 2.32(c) - additional specifications include:

- “proper use of anesthetics, analgesics, and tranquilizers for any species of animals used by the facility”
- “methods whereby deficiencies in animal care and treatment are reported, including deficiencies in animal care and treatment reported by any employee of the facility...”
- “utilization of services (e.g., National Agricultural Library, National Library of Medicine) to provide information on appropriate animal care and use, alternatives to the use of live animals in research , that could prevent unintended and unnecessary duplication of research involving animals, and regarding the intent and requirements of the Act.” [USDA training specifications are more detailed than PHS Policy].

xv 2.31(d)(iv)(C) - “Procedures that may cause more than momentary or slight pain or distress to the animals will...not include the use of paralytics without anesthesia.”

## May 2022 SAPR - Inspection Details List

Inspection	Building	Room	Inspection Date	Repeat Deficiency?	Finding	Finding Category	Def. Category	Corrective Action Plan	Corrective Action Category	Timetable for Correction	Correction_Date
CMAT	1503	AUP specific	3/3/2022		According to lab personnel if animals will be euthanized via CO2, this procedure will be done in room 112A. This room is not listed on the AUP.	Records - AUP	Minor	Submit an amendment to add room 112A to AUP 2019-0172 if euthanasia will be conducted here.	Submit Amendment or VVC	4/21/2022	3/11/2022
CMAT	1503	208	3/3/2022		Expired ketamine was noted. It was marked "Expired" at the time of inspection and stored in the back of the safe (there are no in-date supplies). Inspectors confirmed no use of expired materials in lab animals occurred.	Expired - drugs/substances	Minor	Accept PI's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
COS	0449	B5P	1/13/2022		Though this room currently houses no fish, there are multiple tanks filled with water being stored here. This can provide a potential source of contamination in the	Cleaning/Environment	Minor	Confirm tanks have been emptied of water	Confirm action & Clean area or item	2/17/2022	1/21/2022
COS	0465	007	1/13/2022		The cabinet doors under one of the sinks in this room are missing and for another sink, not hung.	Facility Repair & Function	Minor	Confirm a work order has been submitted to address this issue.	Confirm action & Repair/replace/close	2/17/2022	1/24/2022
COS	0449	B5N	1/13/2022		The exterior door to this housing area cannot be secured from the inside. This could potentially allow animals to egress from the room when the interior door is opened.	Occ. Health - human safety	Minor	Provide confirmation that notification has been made to the Office of Biosafety/IBC concerning the removal of the thumb latch from the main animal room door and the potential for animal escape.	Confirm action	2/1/2022	1/27/2022
COS	0449	B5N	1/13/2022		The exterior door to this housing area cannot be secured from the inside. This could potentially allow animals to egress from the room when the interior door is opened.	Facility Repair & Function	Minor	Provide clarification on how the potential for animal escape will be addressed. If an additional lock should be installed, confirm a work order has been submitted to address this issue.	Repair/replace/close & Confirm action	2/17/2022	1/27/2022
COS	0449	Rodent rooms	1/13/2022		Daily care sheets for these rooms were missing information regarding cage change outs and other standard information listed to ensure compliance with Guide standards.	Records - Other	Minor	Facility manager has requested daily care sheet templates from CMP and is revising them to reflect this facility's needs (including a PI husbandry agreement). Confirm templates have been revised as applicable and rodent rooms have updated daily care sheets posted.	Confirm action & Complete/update label or record	2/17/2022	2/1/2022
COS	0449	B5J	1/13/2022		The CO2 euthanasia sign in this room is not congruent with 2020 AVMA guidelines.	Improper/no label	Minor	Update signs to indicate that CO2 flow rates selected equal 30-70% of chamber volume/minute (as outlined in TAMU-G-028). AWO staff will send a template sign for your convenience.	Complete/update label or record	2/17/2022	2/2/2022
COS	0449	B5D	1/13/2022		The faucet in this room was dripping.	Facility Repair & Function	Minor	Confirm a work order has been submitted to address this issue.	Repair/replace/close & Confirm action	2/17/2022	2/2/2022
COS	0449	B5E	1/13/2022		The faucet in this room was dripping.	Facility Repair & Function	Minor	Confirm a work order has been submitted to address this issue.	Repair/replace/close & Confirm action	2/17/2022	2/2/2022
COS	0449	B5N	1/13/2022		The hose in this room was leaking.	Facility Repair & Function	Minor	Confirm a work order has been submitted to address this issue. Suggestion: Consider the placement of a spray nozzle or some other device to shut off the flow of water from the hose to prevent a slip hazard until such time as the leak can be fixed.	Repair/replace/close & Confirm action	2/17/2022	2/2/2022
COS	0449	Rodent rooms	1/13/2022		Cage cards and PI signage in multiple rodent rooms were missing required information.	Records - Other	Minor	Update cage cards (multiple PIs housed in one room) and/or cage cards/PI identification signs (single PI housing room) to include the following information at a minimum: PI name, AUP #, source of animals, strain/genotype, contact info for PI/lab, and pertinent dates (arrival and/or birth). Refer to TAMU-G-014 for more information.	Complete/update label or record	2/17/2022	2/16/2022
COS	0449	Rodent rooms	1/13/2022		It was difficult for inspectors to determine how animals are assessed for daily health care checks and how this information is relayed to veterinary care staff.	Animal records - health	Minor	Provide clarification on how daily health checks are performed and how these observations are documented and relayed to veterinary staff.	Provide confirmation/clarification	2/17/2022	2/16/2022
COS	0449	B3B, B3C, B5J	1/13/2022		Inspectors were unable to determine based on daily care logs that cages, etc. are sanitized on a cycle that conforms to regulatory standards (e.g. non-IVC cage bottoms, bottles and sipper tubes should be sanitized weekly, IVC cage bottoms, cage feeders and cage tops - including racks where shelf acts as cage lid should be sanitized at least once every 2 weeks. Rabbit cages should have excreta pans cleaned at least once a week, feeders and water bottles must be sanitized at least once every 2 weeks and cages once every 30 days.	Animal records - daily care & Other	Minor	Update daily care records and confirm sanitation is performed as described in the Guide or AWR for rabbits and bats; or request an IACUC exemption (TAMU-F-013) from standards for change cycle where applicable.	Complete/update label or record	2/17/2022	2/16/2022
COS	0465	002	1/13/2022		This room is not listed on AUP 2020-0002 as an animal procedure space. During the inspection it was noted that the majority of animal procedures conducted occur in this room.	Records - AUP	Minor	Submit an Amendment to add this room to AUP 2020-0002	Submit Amendment or VVC	3/17/2022	2/21/2022
COS	0467	100D	1/13/2022		Tank cards affixed to the housing tank in this room are out of date.	Records - Other	Minor	Ensure tank cards are updated to appropriate AUP and PI.	Complete/update label or record	3/17/2022	3/10/2022
COS	0467	Overall	1/13/2022		Minimal water quality testing is performed in labs throughout this facility. While this may be appropriate to the species and various aquatic systems in use, exemptions from standard testing parameters described in the Guide have not been reviewed and approved by the IACUC. It was noted that the fish appeared healthy.	Records - Other	Minor	Confirm that EITHER test parameters suggested in the Guide; e.g.: temperature, pH, alkalinity, nitrogen waste products (ammonia, nitrite, and nitrate), phosphorus, chlorine/bromine, oxidation-reduction potential, conductivity/salinity, hardness (osmolality/dissolved minerals), dissolved oxygen, total gas pressure, ion and metal content, and the established microbial ecology of the tank will be performed OR individual AUCs will be amended to describe exemptions from Guide standards OR (if this is standard throughout the facility) TAMU-F-013 will be submitted for a facility-wide exemption request from the IACUC.	Other	3/17/2022	3/14/2022
COS	0449	B5D	1/13/2022		This room had a strong mouse odor. The IVC exhaust filter appeared dirty.	Cleaning/Environment	Minor	The facility manager changed the IVC exhaust filter was changed immediately after the inspection.	Repair/replace/close	Corrected after inspection	Corrected after inspection
COS	0449	B5N	1/13/2022		The head of the mop stored in this room was dirty. Per facility manager it is changed approximately every 6 months.	Cleaning/Environment	Minor	Implements should be regularly cleaned or replaced at an appropriate frequency based on the use of the area and nature of likely contamination. Clean or replace the mop head following standards, if any, established by the IBC or Office of Biosafety. The facility manager soaked the mop in nolvason solution directly after the inspection.	Clean area or item	Corrected after inspection	Corrected after inspection
COS	0467	111	1/13/2022		Bulk feed is stored in this room; temperature and humidity are monitored, but are not maintained at feed storage levels.	Improper storage - food/water	Minor	Lab personnel spoke with facility management at the time of inspection and are in the process of moving bulk feed storage to the feed storage room in this building.	Store drug/item appropriately	Corrected at time of inspection	Corrected at time of inspection
CSB	1530	Overall	2/9/2022		Humidity levels noted in animal housing rooms are between 16-25%. One rack that monitors humidity inside cages showed that humidity inside a cage was just under	Primary enclosure	Minor	Provide clarification - have animals presented with illness associated with low humidity (i.e. rats with ringtail).	Provide confirmation/clarification	3/17/2022	3/15/2022
CSB	1530	3168	2/9/2022		The cage rack washer in this room has only 1 deactivation cord (but does have highly visible signage regarding it posted outside).	EHS - human safety	Minor	Provide clarification - is the egress push point for this washer on the opposite side of the machine from the de-energizing cord.	Provide confirmation/clarification	3/17/2022	3/15/2022
CSB	1530	3168	2/9/2022		Replacement cage wash chemicals (back-up for the ones in use) are stored directly on the floor.	Improper storage - other	Minor	Ensure chemicals are stored in a secondary containment device.	Store drug/item appropriately	3/17/2022	3/15/2022
CSB	1530	3168	2/9/2022		The autoclave in this room does not have highly visible signage regarding emergency stop measures.	EHS - human safety	Minor	Confirm emergency stop signage is posted.	Confirm action	3/17/2022	3/15/2022
CSB	1530	3181	2/9/2022		The rack furthest from the door in this room expired 2/2/2022. A new rack was already in rack wash and on its way through clean cage to be sent into this room. It will be in place by 2/10/2022.	Expired - instruments/machines	Minor	Confirm new rack was put into room.	Confirm action	3/17/2022	3/15/2022
CSB	1530	3166	2/9/2022		There is no PI husbandry care sheet in this room, but stickers indicating "Special Diet" are labeling two racks of cages. CMP staff indicated that lab personnel are responsible for feeding when those stickers are posted and that the stickers were only posted the day before. The PI currently has the husbandry agreement to sign and once it is returned to CMP they will post the PI care sheet.	Animal records - daily care	Minor	Confirm PI portion of the daily care sheet is posted and is being filled out appropriately.	Confirm action	3/17/2022	3/15/2022
CSB	1530	3172	2/9/2022		The light in this room does not turn on. Work is already ongoing to address this issue.	Facility Repair & Function	Minor	Accept facility's response; no further corrective action at this time.	Repair/replace/close	Corrected	Corrected
CSB	1530	3173	2/9/2022		The light in this room only turns on when the door to the room is closed (upon entering the room). Work is already ongoing to address this issue.	Facility Repair & Function	Minor	Accept facility's response; no further corrective action at this time.	Repair/replace/close	Corrected	Corrected
CSB	1530	3182	2/9/2022		AUP 2021-0052 does not indicate an exception from standard housing density, but an older laminated sign on the back of the door indicates that animals may be weaned on Day 28, instead of 21. There was at least 1 overcrowded cage in this room.	Records - AUP	Minor	If mice are weaned at Day 28 and an increased animal density may occur, submit an Amendment to AUP 2021-0052 and revise Section 10.3 to check "Exception from Standard Animal Housing Density" and justify this exception.	Submit Amendment or VVC	4/21/2022	4/13/2022

Inspection	Building	Room	Inspection Date	Repeat Deficiency?	Finding	Finding Category	Def. Category	Corrective Action Plan	Corrective Action Category	Timetable for Correction	Correction_Date
ILSB	1530	3185A	2/9/2022		Four cages were in this room (1 animal each) but only one cage had a cage card on it. All four animals had recently undergone some form of surgery but there were no green anesthesia cards or cards indicating what procedures had recently been performed on the animals. The PI portion of the daily care log had not been filled out for the month of February and the CMP log shows that there was at least 1 cage in the room for the previous days. Lab personnel entered the room during the inspection and explained that two of the animals were theirs and the other two were another students. They signed off on the PI portion of the care log for the day, but only checked on their animals. No postoperative records were available in the room at the time to view.	Animal records - daily care & Animal records - surgery	Minor	1) Per TAMU-G-014 animals must be identified by a cage card with all appropriate information (as described in Section 5.1.2). Ensure that animals can be identified by a cage card - even if it is an index card that indicates they are the cage mate associated with the cage card next to them. 2) Confirm that green anesthesia cards and/or CMP procedure cards will be placed in cage card holders when animals undergo a surgical procedure to ensure that husbandry staff are able to determine what procedure the animal has recently undergone (See CMP SOP A.III.8 for more information). 3) If animals in this room are on different projects and/or being observed by different individuals at different times throughout the day, ensure some sort of post-surgical record is available in the room to make it easily understandable that all animals have been checked on by PI lab personnel that day. 4) Provide post operative records for the 4 animals in the room on the day of inspection. 5) CMP should provide clarification on how animal usage is tracked in this room as the PI did not have animals in this room prior to 2/8/2022.	Provide confirmation/clarification & Other	4/21/2022	3/24/2022
ILSB	1530	3185A	2/9/2022		Animals housed in this room have no bedding and no enrichment. This exception is not justified in AUP 2020-0173.	Records - AUP	Minor	Submit an Amendment to your AUP to revise Section 10.3 to select "Exception from standard environmental conditions not related to hazard exposure" for the lack of bedding, "Exception from standards of environmental enrichment" for the lack of enrichment, and "Any other exception or departure..." if food is fed on the floor of the cage. Justify these exceptions in the textboxes at the bottom of the section.	Submit Amendment or VVC	4/21/2022	4/6/2022
ILSB	1530	3132D	2/10/2022		It was noted that the scissors used for decapitation in this room are new; however, no records regarding use and maintenance are in place at this time. There is also no standard lab SOP for determining scissors are sharp prior to use.	Other	Minor	Confirm appropriate records will be maintained regarding scissor usage and an SOP for assessing sharpness prior to usage is created. AWO staff will send TAMU-G-025 and TAMU-F-011 to the PI	Review IACUC Guidance & Confirm action	3/17/2022	2/17/2022
ILSB	1530	3128D	2/10/2022		It was noted during this inspection that URS is sometimes utilized for more than 30 days post opening the bag (TAMU-G-024).	Expired - drugs/substances	Minor	Confirm lab personnel have read TAMU-G-024 and will ensure IV fluid bags are not utilized more than 30 days post opening.	Review IACUC Guidance & Discard/label & segregate	3/17/2022	2/18/2022
ILSB	1530	3128D	2/10/2022		The amount of ketamine on-hand was greater than the amount listed in the drug log.	Records - Controlled substances	Minor	Confirm drug log updated to reflect accurate amount of drug on-hand.	Confirm action	3/17/2022	2/18/2022
ILSB	1530	General - Maren lab	2/10/2022		While sanitation methods, where described during the inspection are acceptable, the lab needs to develop written sanitation SOP for surgical areas including stereotaxic devices, animal transport boxes and behavioral test equipment and validate method of sanitation selected, as described in TAMU-G-026.	Cleaning/Environment	Minor	AWO staff will provide TAMU-G-026 and contact info for CMP. Confirm either lab SOP(s) will be developed for sanitation or the lab will utilize SOPs developed by CMP. For lab developed SOPs, confirm CMP will be contacted to validate the efficacy of sanitation processes. Ensure a record of sanitation efficacy validation will be maintained as described in TAMU-G-026.	Provide confirmation/clarification & Review IACUC Guidance	3/17/2022	3/4/2022
ILSB	1530	3154F	2/10/2022		It was noted during the inspection that surgical instruments are not subjected to a complete sterilization (autoclaving, ETO gas, etc.) prior to initial use during surgery as described in TAMU-G-013.	Aseptic technique	Minor	Confirm surgical instruments will be sterilized prior to the start of the surgical session as outlined in Section 5.2.1.2 of the Guidance.	Confirm action	3/17/2022	3/11/2022
ILSB	1530	3195S	2/10/2022		Signage indicating appropriate settings for CO2 regulator/flow gauge is not available in this room.	Other	Minor	AWO staff will provide AWO-O-014; confirm the CO2 flow rate is appropriate based on the 2020 AVMA Guidelines (30-70% of chamber volume per minute as described in TAMU-G-028).	Provide confirmation/clarification	3/17/2022	3/11/2022
ILSB	1530	3195A	2/10/2022		The euthanasia set up in this room (bucket and lid) do not allow for sealing of the container during filling.	Other	Minor	Replace the bucket and lid with a chamber that allows for sealing of chamber during introduction of gas. CMP may be able to assist with this.	Repair/replace/close	3/17/2022	3/11/2022
ILSB	1530	3195B	2/10/2022		The service/certification for the anesthetic vaporizer was unable to be determined at the time of inspection (missing sticker).	Expired - instruments/machines	Minor	Provide confirmation service has occurred and sticker placed.	Confirm action	3/17/2022	3/11/2022
ILSB	1530	3195B	2/10/2022		It was noted during the inspection that surgical instruments are not subjected to a complete sterilization (autoclaving, ETO gas, etc.) prior to initial use during surgery as described in TAMU-G-013.	Aseptic technique	Minor	Confirm surgical instruments will be sterilized prior to the start of the surgical session as outlined in Section 5.2.1.2 of the Guidance.	Confirm action	3/17/2022	3/11/2022
ILSB	1530	3128D	2/10/2022		While thermoregulatory support is provided during surgical procedures it is offered via an electric heating pad which shows burn sites on the surface which could indicate hot spots in it. Additionally, use of the electric heating pad are not outlined in the AUP.	Records - AUP/Other	Minor	Contact CMP at cmp-health@tamu.edu to discuss alternative thermoregulatory support devices. If an electric heating pad will continue to be used replace the current one with a new one. Submit an Amendment to both AUPs to amend Section 11.4 to describe the type of supplemental heat	Submit Amendment or VVC & Other	3/17/2022	3/15/2022
ILSB	1530	3153E	2/10/2022		During the inspection lab personnel indicated that the ketamine and euthanasia solutions utilized by the lab were not considered controlled and are not stored as controlled substances.	Improper storage - drugs	Minor	Provide verification from the DEA that these substances are not considered controlled, or store them per DEA standards.	Provide confirmation/clarification	3/17/2022	3/15/2022
ILSB	1530	3153E	2/10/2022		It was difficult to determine how many bottles of euthanasia should be on hand based on the drug logs.	Records - Controlled substances	Minor	Ensure drug logs are kept in such a way that it is easy to track the amount of total drug that should be on hand (consider labeling bottles 1 of 6, 2 of 6, etc. to ensure bottles can be more easily tracked).	Complete/update label or record	3/17/2022	3/15/2022
ILSB	1530	3153B & H	2/10/2022		The lights in these rooms either did not turn on or were slow to turn on.	Facility Repair & Function	Minor	Confirm a work order has been submitted to address this issue.	Provide confirmation/clarification	3/17/2022	3/15/2022
ILSB	1530	3128D	2/10/2022		Expired cleaning materials were noted in this room. They were discarded at the time of inspection.	Expired - cleaning/disinfectant	Minor	Accept PI's response; no additional corrective action required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
ILSB	1530	3154J	2/10/2022	X	Cleaning SOPs have been created for the equipment in this space but they have not yet been validated by CMP.	Cleaning/Environment	Minor	Confirm CMP has been contacted to validate the efficacy of sanitation process for behavioral testing apparatus. Ensure a record of sanitation efficacy validation will be maintained as described in TAMU-G-026.	Confirm action & Develop documentation/SOP	3/21/2022	3/21/2022
ILSB	1530	General - Smith lab	2/10/2022		While there is an approved exception from TAMU-G-026 in AUP 2021-0030, during the inspection an annual deep clean of the behavior equipment was described.	Cleaning/Environment	Minor	Confirm that a written SOP outlining this cleaning procedure exists or will be developed and that validation of this process has either occurred or will occur when next performed. Additionally, validation of sanitation efficacy for both the surgical location and sterotaxic device must occur. Provide confirmation Ensure that a record of sanitation efficacy validation is will be maintained as described in TAMU-G-026. AWO staff will provide TAMU-G-026 and CMP contact information for assistance with this validation.	Confirm action & Develop documentation/SOP	3/17/2022	3/17/2022
ILSB	1530	3153T	2/10/2022		Thermoregulatory support (as described in TAMU-G-013) is not used during surgery in this space.	Other	Minor	Submit an Amendment to AUP 2021-0030 to revise Section 12.4 - Physiological Support to indicate this exception from TAMU-G-013 (you will enter the information in the text box at the bottom of the section).	Submit Amendment or VVC	3/22/2022	3/22/2022
ILSB	1530	3153T	2/10/2022	X	The surgical records for this group have been updated since the last inspection, however the records in use do not contain all of the information required per TAMU-G-013.	Animal records - surgery	Minor	Review TAMU-G-013 and update surgical records as needed to meet outlined expectations. Provide a copy of a completed surgical record for a recent surgery for review by AWO PAM staff.	Review IACUC Guidance & Provide confirmation/clarification	3/21/2022	3/21/2022
ILSB	1501	000	3/3/2022		Though this room is currently empty and not being utilized for housing while it awaits renovations to update electrical systems, it is very dirty - trash lying on the floor, dirty/stained floors, live roaches noted in the room.	Cleaning/Environment	Minor	Confirm the room will be cleaned and IACUC contacted prior to housing animals in this location.	Confirm action	4/21/2022	4/13/2022
ILSB	0972	140	2/23/2022		The lights in this room were non-functional.	Facility Repair & Function	Minor	Confirm lights are intentionally disabled or that a work order has been submitted for repair.	Confirm action & Repair/replace/close	4/21/2022	4/18/2022
ILSB	0972	140	2/23/2022		Multiple expired materials were noted in this room (ultrasound gel (5/21), artificial tears (12/20)).	Expired - Medical Supplies	Minor	Confirm expired materials are discarded.	Confirm action	4/21/2022	4/18/2022
ILSB	0972	144	2/23/2022		One of the air outlets in this room is detaching from the ceiling, the other shows crack in the caulk/paint around its edges. The light fixtures have a rusty red build up in them and the ceiling looks like it may have been exposed to water damage at some	Facility Repair & Function	Minor	Confirm work order submitted for repair.	Confirm action & Repair/replace/close	4/21/2022	4/18/2022
ILSB	0972	147	2/23/2022		Several cage cards in this room are lacking necessary information (mainly the AUP number) while other cage cards have the information listed on them.	Records - Other	Minor	Per TAMU-G-014 animals must be identified by a cage card with all appropriate information (as described in Section 5.1.2). Confirm cage cards will be updated as needed.	Confirm action	4/21/2022	4/18/2022
ILSB	0972	149	2/23/2022		Expired lubricating jelly (12/2020) was noted in the PI supplies in this room. It was discarded at the time of inspection.	Expired - Medical Supplies	Minor	Accept facility's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection

Inspection	Building	Room	Inspection Date	Repeat Deficiency?	Finding	Finding Category	Def. Category	Corrective Action Plan	Corrective Action Category	Timetable for Correction	Correction_Date
LARR	0972	155	2/23/2022		There were significant gaps of missing dates in the PI portion of the daily care sheet log in this room. Animals are checked daily by CMP staff and this is documented on their care log.	Animal records - daily care	Minor	Confirm that animals will be checked daily (and care documented) by the PI/lab or, if daily check is not needed by the PI lab group, confirm an updated husbandry agreement has been established with CMP to indicate this.	Confirm action & Complete/update label or record	4/21/2022	3/25/2022
LARR	0972	157	2/23/2022		A live roach was noted in the drain in this room. Facility representative indicated a recent pest treatment.	Cleaning/Environment	Minor	Accept facility's actions; no further corrective actions required.	Other	Corrected at time of inspection	Corrected at time of inspection
LARR	0972	169	2/23/2022		A cabinet in this room (169/L1) contained loose supplies combined with dirty necropsy tools (dissection boards, scissors and forceps), expired needles (10/2018), a conical tube containing PBS without appropriate labelling. Expired materials were discarded at the time of inspection and the tools were removed for disinfection and	Expired - other & Cleaning/Environment	Minor	Accept facility's actions; no further corrective actions required.	Clean area or item & Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
LARR	0972	171	2/23/2022		Signage in this room indicated the potential for increased housing density via trio (harem) breeding. This exception has not been approved on AUP 2021-0058.	Records - AUP	Minor	Confirm standard housing density for animals on this AUP or submit an Amendment to AUP 2021-0058 to revise Section 10.3 (Husbandry Requirements) to request an exception from standard housing density (if harem breeding is used and increased housing density is expected).	Confirm action & Submit Amendment or VVC	4/21/2022	4/7/2022
LARR	0972	176	2/23/2022		Expired Clidox (2/21/2022) was noted in this room.	Expired - cleaning/disinfectant	Minor	Confirm expired materials are discarded.	Confirm action & Discard/label &	4/21/2022	2/23/2022
LARR	0972	177	2/23/2022		The PI listed on the cage cards does not correspond to the AUP number indicated.	Records - Other	Minor	Per TAMU-G-014 animals must be identified by a cage card with all appropriate information (as described in Section 5.1.2). Facility personnel have provided clear evidence of PI request to have study contact listed on all materials to ensure they are contacted (not PI), however, in order to ensure the PI is appropriately noted the facility should post a small sign in the room indicating whom the PI for AUP 2020-0009 is, and that the study contact is listed for all communications.	Complete/update label or record	4/21/2022	4/18/2022
LARR	0972	180	2/24/2022		Expired Euthasol and Tramadol were noted in this room. They were stored separately from in-date supplies at the time of inspection.	Expired - drugs/substances	Minor	Accept facility's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
LARR	0972	186	2/23/2022		Expired neosporin (12/2020) was noted in this room. It was discarded at the time of inspection.	Expired - drugs/substances	Minor	Accept facility's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
LARR	0972	188	2/24/2022		Expired catheters were noted in the Emergency box in this room.	Expired - Medical Supplies	Minor	Confirm these materials are not used in live animals or (if they are) that the expired materials have been discarded.	Confirm action & Discard/label & segregate	4/21/2022	4/18/2022
LARR	0972	206	2/23/2022		Expired surgical gloves (9/2019) were noted in this room. They were discarded at the time of inspection.	Expired - Medical Supplies	Minor	Accept facility's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
LARR	0972	207	2/23/2022		Expired Clidox (2/21/2022) was noted in this room.	Expired - cleaning/disinfectant	Minor	Confirm expired materials are discarded.	Discard/label & segregate & Confirm	4/21/2022	2/23/2022
LARR	0972	207	2/23/2022		A large trash-can style sharps container was left uncovered in this room. The lid was replaced during the inspection.	Improper sharps use	Minor	Accept facility's actions; no further corrective actions required.	Repair/replace/close	Corrected at time of inspection	Corrected at time of inspection
LARR	0972	208	3/4/2022		The vaporizer in this room was out of date (certification due 2021)	Expired - instruments/machines	Minor	Confirm machine will not be used prior to recertification.	Calibrate/certify/test & document	4/21/2022	3/28/2022
LARR	0972	210	2/23/2022		Multiple expired/unlabeled materials (conical tube on center table, isoflurane (12/2021), suture (9/2015), PBS in refrigerator (4/4/2019), and clidox (2/21/2022) were noted in this room. All were discarded at the time of inspection.	Expired - drugs/substances & Expired - other	Minor	Accept facility's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
LARR	0972	214	2/23/2022		This room is not currently in use. Several issues were noted in this room: O2 canisters lying on their sides on the floor, several potentially out of date f-air canisters out on the counter or stored (from last use) in cabinets, generally	Cleaning/Environment	Minor	Confirm issues will be addressed and room cleaned prior to use with live animals.	Clean area or item	4/21/2022	4/18/2022
LARR	0972	215	2/23/2022		The air outlets in this room showed particulate matter build up.	Cleaning/Environment	Minor	Confirm outlets cleaned.	Clean area or item	4/21/2022	4/18/2022
LARR	0972	218	2/23/2022		The top left cage in this room (2 litters, 3 dams - 1 extremely pregnant) was not yet overcrowded but would be upon parturition of the pregnant female.	Primary enclosure	Minor	Confirm these animals were separated in a timely manner.	Confirm action	4/21/2022	3/25/2022
LARR	0972	218	2/23/2022		The cage cards in this room showed a history of overcrowded notices, health checks and mortalities. Animals must be provided with sufficient space as per the Guide. A history of noncompliance with this requirement is a reportable event to NIH/OLAW.	Primary enclosure	Minor	Confirm animals will be separated in a timely manner. If trio (harem) breeding is utilized and cages may have higher density than Guide standards submit an Amendment to AUP 2020-0286 to revise Section 10.3 (Husbandry Requirements) to request an exception from standard housing density.	Confirm action	4/21/2022	3/25/2022
LARR	0972	332	2/23/2022		Single deenergizing cord in rack washer. The technician described safety precautions.	EHS - human safety	Minor	Confirm cage wash training includes appropriate measures taken to prevent personnel from being trapped inside the washer.	Confirm action	4/21/2022	4/18/2022
LARR	0972	336	2/23/2022		A puddle of (presumed) biohazardous material had leaked out of a bag onto the floor of this room. CMP personnel contacted facility personnel at the time of inspection to start the clean-up process.	Cleaning/Environment	Minor	Accept facility's actions; no further corrective actions required.	Clean area or item	Corrected at time of inspection	Corrected at time of inspection
LARR	0972	338	2/23/2022		This room contains a large amount of cardboard and bedding storage. No live trap was noted in this room. The facility may consider the use of a live trap in this area. If one is utilized, ensure it is checked daily (documented on daily check sheet).	Cleaning/Environment	Minor	Confirm pest management plan is in place for this room.	Confirm action	4/21/2022	4/18/2022
LARR	0972	341	2/23/2022		Chipped paint and several cracks were noted on the ceiling in this room.	Facility Repair & Function	Minor	Confirm work order submitted for repair.	Confirm action	4/21/2022	4/18/2022
LARR	0972	343	2/23/2022		This room is a general use procedure room that anyone may use at any time. There are no SOPs displayed indicating how the room should be cleaned between use and no way to track use of the room between individuals. This could pose a biosecurity risk between animals.	Records - Other	Minor	Provide clarification on how to address this issue - are PIs/lab staff trained on cleaning SOPs prior to using this room? Is it possible to use a room sign-up sheet for this room?	Provide confirmation/clarification	4/21/2022	4/18/2022
LARR	0972	117 Hallway	2/24/2022		The emergency shower(s) in this hallway are out of date.	EHS - human safety	Minor	Confirm expired showers have been tested.	Confirm action & Calibrate/certify/test & document	4/21/2022	4/18/2022
LARR	0972	1170	2/23/2022		Expired neomycin sulfate (02/21) was noted in the PI supplies in this room. It was stored under a water bottle labeled "lead" so the box was left in the supplies	Expired - drugs/substances	Minor	Confirm expired materials are discarded.	Confirm action	4/21/2022	4/18/2022
LARR	0972	1170	2/23/2022		The fill date on the food storage container in this room was off by a year (food in-date). The label was updated at the time of inspection.	Improper/unclear/no label	Minor	Accept facility's actions; no further corrective actions required.	Complete/update label or record	Corrected at time of inspection	Corrected at time of inspection
LARR	0972	117F	2/24/2022		Expired syringes were noted in a cabinet in this room.	Expired - Medical Supplies	Minor	Confirm expired materials are discarded.	Confirm action & Discard/label &	4/21/2022	4/18/2022
LARR	0972	117G	2/24/2022		Expired swabs were noted in this room.	Expired - Medical Supplies	Minor	Confirm these materials are not used in live animals or (if they are) that the expired materials have been discarded.	Confirm action & Discard/label & segregate	4/21/2022	4/18/2022
LARR	0972	206B	2/23/2022		Animals were recently added to this room. Appropriate ABSL2 signage is missing on the cubicle door.	Improper/unclear/no label	Minor	Confirm signage is updated.	Complete/update label or record	4/21/2022	4/18/2022
LARR	0972	206C*	2/23/2022		The water used to refill bottles expired 2/21/2022.	Expired - other	Minor	Confirm expired water discarded; in-date water supplied.	Discard/label & segregate	4/21/2022	4/18/2022
LARR	0972	206D	2/23/2022		Appropriate ABSL2 signage is missing from the cubicle door.	Improper/unclear/no label	Minor	Confirm signage is updated.	Complete/update label or record	4/21/2022	4/18/2022
LARR	0972	207A	3/4/2022		The vaporizer in this room was out of date (certification due 2019)	Expired - instruments/machines	Minor	Confirm machine will not be used prior to recertification.	Calibrate/certify/test & document	4/21/2022	3/28/2022
LARR	0972	217/217A	3/4/2022		These rooms were vacant at the time of inspection (no animal use) however they will be utilized for PI housing. When they are housed here there is no daily care by CMP. Daily care records were unavailable to view.	Animal records - daily care	Minor	PI and CMP should work together to ensure Daily Care sheets documenting PI/lab group daily care is easily accessible by CMP staff (to ensure animals are being observed/checked daily). Consider posting the records outside the room (so CMP staff do not have to enter the room and potentially disrupt the study) to check the logs.	Complete/update label or record	4/21/2022	3/25/2022
LARR	0972	221A*	2/23/2022		One water bottle in this room was knocked off its holder (one cage) in this room. It was replaced during the inspection.	Other	Minor	Accept facility's actions; no further corrective actions required.	Repair/replace/close	Corrected at time of inspection	Corrected at time of inspection
LARR	0972	345A	2/23/2022		Multiple expired materials were noted in this room (bleach, LRS, medication). They were all discarded at the time of inspection	Expired - other	Minor	Accept facility's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
LARR	0972	345B	2/23/2022		The cart in this room did not have an expiration date listed on it (all other carts appear to have this information).	Cleaning/Environment	Minor	Confirm cart cleaned on normal cleaning schedule.	Complete/update label or record	4/21/2022	4/18/2022
LARR	0972	ABSL2 - main hall	2/23/2022		Expired Clidox (2/21/2022) was noted in this room.	Expired - cleaning/disinfectant	Minor	Accept facility's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection



Inspection	Building	Room	Inspection Date	Repeat Deficiency?	Finding	Finding Category	Def. Category	Corrective Action Plan	Corrective Action Category	Timetable for Correction	Correction_Date
LARR	0972	ABSL2 - main hall	3/4/2022		It was unclear how personnel determine where to set the flow-meter at the CO2 station in this hallway.	Expired - cleaning/disinfectant	Minor	Confirm instructions are posted in the area where the CO2 machine is used (for how to set the flow-meter to allow for AVMA approved flow rate)	Discard/label & segregate	4/21/2022	4/18/2022
LARR	AUP Specific	General	2/24/2022		During the inspection it was indicated that the CMP training AUP is possibly utilized to train Blinn Vet Tech students. AUP 2021-0146 only indicates training of research personnel or personnel associated with teaching courses.	Records - AUP	Minor	If this AUP is utilized to train students (in addition to research/teaching personnel) the AUP should be amended in Section 7.1 to include this description as well. If AUP 2021-0146 is NOT utilized to train vet tech students, please confirm this.	Submit Amendment or VVC	4/21/2022	3/4/2022
LARR	0976*	Overall	2/24/2022		Cage cards for the cats in this building were out of date.	Other	Minor	Confirm cage cards were updated.	Complete/update label or record	4/21/2022	2/25/2022
PSYC	0463	126D	3/9/2022		Cardboard storage was being utilized in this room. This can provide harborage for vermin.	Cleaning/Environment	Minor	Ensure cardboard boxes are removed.	Confirm action & Discard/label & segregate	5/19/2022	4/21/2022
PSYC	0463	129	3/9/2022		The PI was unavailable to show inspectors the controlled drug log or storage.	Other	Minor	Contact the AWO at animalcompliance@tamu.edu to reschedule the inspection for these items.	Other	4/1/2022	4/1/2022
PSYC	0463	116G	3/9/2022		Triple antibiotic ointment in this room appears to be expired (9/2012).	Expired - drugs/substances	Minor	Confirm expired items discarded.	Discard/label & segregate	6/1/2022	4/26/2022
PSYC	0463	116G	3/9/2022		Cage cards in this room listed an outdated AUP (2019-0193).	Expired - other	Minor	Confirm cage cards were updated to the new AUP 2022-0019.	Complete/update label or record	4/21/2022	4/14/2022
MSRB	1911	K3	1/26/2022		An open ceiling tile was noted in this room.	Facility Repair & Function	Minor	Confirm a work order has been placed to have the tile re-seated or facility personnel have closed the tile.	Repair/replace/close	3/17/2022	1/26/2022
MSRB	1911	K3	1/26/2022		Multiple toys and some floor mats show signs of degradation due to chewing behavior.	Other	Minor	Provide clarification on the management plan used to avoid excessive ingestion of foreign material and indicate if foreign body/intestinal damage has been seen in the animals.	Provide confirmation/clarification	3/17/2022	2/9/2022
MSRB	1911	K6	1/26/2022		The corner of the left hand wall next to the sink has peeling paint in this room.	Facility Repair & Function	Minor	Confirm a work order has been placed to address this issue.	Repair/replace/close	3/17/2022	2/9/2022
MSRB	1911	117A	1/26/2022		The sevoflurane anesthetic vaporizer calibration certification was last performed 7/2018.	Expired - instruments/machines	Minor	Confirm the vaporizer is not in use (place a sign indicating "Do not use") and indicate the vaporizer will not be used prior to being certified.	Calibrate/certify/test & document	3/17/2022	3/11/2022
MSRB	1911	117A	1/26/2022		During the inspection inspectors were unable to determine how the exam table in this room is sanitized.	Cleaning/Environment	Minor	Provide a description of sanitation procedures for this table including the frequency for how often performed.	Provide confirmation/clarification	3/17/2022	3/11/2022
MSRB	1911	General	1/26/2022		It was noted during this inspection that floors in the kennel rooms are delaminating. The facility is already in the process of working with SSC to fix/replace the floors.	Facility Repair & Function	Minor	Accept facility's response; no further corrective action at this time.	Repair/replace/close	Corrected	Corrected
MSRB	1911	120	1/26/2022		An unlabeled bottle of H2O was noted in this room. It was discarded at the time of inspection.	Improper/unclear/no label	Minor	Accept facility's response; no further corrective action at this time.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
MSRB	1911	126	1/26/2022		Expired suture (3/2020) noted in this room. It was discarded at the time of inspection.	Expired - Medical Supplies	Minor	Accept facility's response; no further corrective action at this time.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
PSRC	Overall	Overall	2/16/2022		Animals appear healthy and well cared for, with adequate amounts of food and water in all areas, however, there is no maintained record of daily care for animals on the Farm SOP/AUP.	Animal records - daily care	Minor	Confirm a written record of daily care/observation will be maintained for animals on AUP 2020-0098	Develop documentation/SOP	4/21/2022	4/5/2022
PSRC	1203	Classroom	2/16/2022		Several AUPs list this building as a procedure location; however the room that might be utilized (classroom space) is not currently set up for animal procedures. The A/C is out for this building and there is currently a large hole in the ceiling while repairs are conducted. This room should not be utilized for animal procedures until temperature control is returned and the hole in the ceiling repaired.	Facility Repair & Function	Minor	Confirm building will not be used until repaired.	Confirm action & Repair/replace/close	4/21/2022	4/5/2022
PSRC	1204	Overall	2/16/2022		Emergency contact information has been updated overall for this facility, however, old signs were missed on 2 or 3 doors on this building and the contact information is out-of-date.	Improper/unclear/no label	Minor	Confirm expired contact information is removed.	Confirm action	4/21/2022	4/5/2022
PSRC	1204	5	2/16/2022		A hole was noted in this room on the exterior wall.	Facility Repair & Function	Minor	Confirm work order submitted for repair.	Confirm action & Repair/replace/close	4/21/2022	4/5/2022
PSRC	1217	Main area	2/16/2022		This building's drainage system frame in the main area is out of alignment and prevents the grates from sitting flush with the ground presenting a potential trip hazard to facility personnel.	Facility Repair & Function	Minor	Confirm work order submitted for repair.	Confirm action & Repair/replace/close	4/21/2022	4/5/2022
COD	3600	General	3/21/2022		It was noted during the inspection that sentinel animals are not housed on an AUP or SOP.	Records - AUP	Minor	Submit an AUP/amendment which describes activities with sentinel animals (may be combined with holding AUP)	Submit Amendment or VVC	5/19/2022	4/19/2022
COD	3600	464A	3/21/2022		Multiple expired substances (mini screw and carboline) were noted in this area. They were discarded at the time of inspection.	Expired - Medical Supplies	Minor	Accept facility's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
COD	3600	470.03	3/21/2022		This room is not currently in use for animals, however, a large crack was noted in the floor in this room and the epoxy coated surface is flaking away.	Facility Repair & Function	Minor	Confirm a work order has been submitted to address this issue.	Confirm action & Repair/replace/close	6/16/22	5/25/22
COD	3600	477	3/21/2022		While in most rooms the racks appeared to be dust free, in this room rack shelves were dusty. No indication in daily care logs that racks were sanitized in February or March (to date of inspection).	Facility Repair & Function	Minor	Confirm that racks where the shelf acts as cage lid sanitized at least once every 2 weeks to meet standards under the Guide or submit a request for exception from this standard (TAMU-F-013).	Provide confirmation/clarification	5/19/22	5/11/22
COD	3600	479C	3/21/2022		Peeling paint was noted in multiple spots on the wall above the tile in this room. Additionally, paint is scraped off of flooring coves.	Facility Repair & Function	Minor	Confirm a work order has been submitted to address this issue.	Confirm action & Repair/replace/close	6/16/22	5/25/22
COD	3600	440	3/21/2022		The procedures table in Section 7.6 in AUP 2020-0075 needs to be updated. The locations column is blank.	Records - AUP	Minor	Submit an Amendment to AUP 2020-0075-CD to update Section 7.6 to update the table at the bottom of the section. Combine all "As assigned" lines into one row (when procedures are conducted in the vivarium) and include a line for Room 440 as this is a PI maintained space.	Submit Amendment or VVC	5/19/22	4/25/22
COD	3600	488 & 492	3/21/2022		PI and lab personnel staff were unavailable during the inspection to speak with the inspection team. Because at least one of these areas is a surgical location, someone must be available to speak with the inspection team. Additionally, the inspection team would like to review surgical records.	Other	Minor	Contact the AWO at animalcompliance@tamu.edu to reschedule your inspection via Zoom and provide an example of recent surgical records for review.	Other	5/19/2022	4/25/2022
COD	3600	488	3/21/2022		Multiple expired substances (Metabond etching gel [9/30/21], Dentin activator [2/28/21; 9/30/21], Metabond I-Powder [8/31/21]) were noted in this area. Expired compounds were set aside on the countertop with a note.	Expired - drugs/substances	Minor	Confirm expired substances have been discarded or labeled "not for animal use" and segregated from in-date supplies.	Confirm action & Discard/label & segregate	5/19/2022	4/25/2022
COD	3600	470.02	3/21/2022		Animals are housed in this room on AUP 2020-0054-CD however this room is not listed as a housing site in the AUP.	Records - AUP	Minor	Submit an Amendment to this AUP to update housing and procedure rooms to "AA" if they are conducted inside ARU maintained vivarium spaces. Combine all "As assigned" lines into one row for each section (housing/procedure).	Submit Amendment or VVC	5/19/2022	4/28/2022
COD	3600	475	3/21/2022		Animals are housed in this room on AUP 2020-0054-CD however this room is not listed as a housing site in the AUP.	Records - AUP	Minor	Submit an Amendment to this AUP to update housing and procedure rooms to "AA" if they are conducted inside ARU maintained vivarium spaces. Combine all "As assigned" lines into one row for each section (housing/procedure).	Submit Amendment or VVC	5/19/2022	4/28/2022
COD	3600	479B	3/21/2022		Surgical records associated with animals housed on AUP 2021-0315-CD indicated that Buprenorphine was administered once/day [e.g.: 3 am] for multiple days, however, the AUP indicates Buprenorphine will be administered at ~1 hour before surgery and 8, 24, and 36 hours post-surgery. Cages were receiving Carprofen in drinking water as indicated in the AUP in Section 7.6 (text portion) however, Section 8 of this AUP indicates that carprofen is only administered SQ. As a general comment, the AUP includes multiple surgeries with administration of various pain relieving drugs. Where the drug is consistent, the route may vary (oral vs. SQ).	Records - AUP	Minor	Submit an Amendment to this AUP to revise Sections 7.6, 8.1 and Section 12 overall to make them congruent regarding how post-operative analgesic is administered. Additionally, if drugs are administered via water, revise Section 11.3 to include this Special Husbandry Requirement. The PI may wish to consult with the Attending Veterinarian or designee for assistance in simplifying analgesia protocols and addressing inconsistencies throughout the AUP in delivery mechanisms.	Submit Amendment or VVC	5/19/22	5/17/22
COD	3600	AUP specific	3/21/2022		AUP 2020-0027-CD indicates in Section 11.3 that "In a control group, the mice will receive anesthesia."	Records - AUP	Minor	Because all animals receive anesthesia prior to surgery, clarify - should this be "analgesia" instead? If so, submit an Amendment to the AUP to update this section (this can be done in conjunction with updating the room number).	Submit Amendment or VVC	5/19/2022	4/26/2022
COD	3600	429A	3/21/2022		Rooms 429 & 429B are listed as procedure rooms on AUPs 2019-0251-CD, 2021-0211-CD, and 2020-0027-CD, however, during the inspection it was indicated that no animal procedures are performed in these rooms - instead, all animal procedures are performed in 429A.	Records - AUP	Minor	Submit an Amendment to all AUPs to update the room number where surgical procedures are performed. NOTE: Because the surgical procedures are performed in an investigator maintained space, the specific room number does need to be listed.	Submit Amendment or VVC	5/19/2022	4/26/2022



Inspection	Building	Room	Inspection Date	Repeat Deficiency?	Finding	Finding Category	Def. Category	Corrective Action Plan	Corrective Action Category	Timetable for Correction	Correction_Date
COD	3600	475	3/21/2022		Animals are housed in this room on AUP 2020-0027-CD, however this room is not listed as a housing site in the AUP.	Records - AUP	Minor	Submit an Amendment to this AUP to update housing and procedure rooms to "AA" if they are conducted inside ARU maintained vivarium spaces. Combine all "As assigned" lines into one row for each section (housing/procedure).	Submit Amendment or VVC	5/19/2022	4/26/2022
COD	3600	479F	3/21/2022		Animals are housed in this room on AUP 2019-0251, however this room is not listed as a housing site in the AUP.	Records - AUP	Minor	Submit an Amendment to this AUP to update housing and procedure rooms to "AA" if they are conducted inside ARU maintained vivarium spaces. Combine all "As assigned" lines into one row for each section (housing/procedure).	Submit Amendment or VVC	5/19/2022	4/26/2022
COD	3600	AUP specific	3/21/2022		AUP 2021-0211-COD lists anesthesia in Section 11.3, however it's mechanism is undescribed.	Records - AUP	Minor	Submit an Amendment (this can be combined with the amendment to add the correct room number) to include a description for how anesthesia is conducted in Section 11.3. If it differs from the method described in Section 8.1 this section must be revised as well. NOTE: It is recommended you also removed isoflurane from the non-pharmaceutical grade question in Section 8.1 as isoflurane is a pharmaceutical grade agent.	Submit Amendment or VVC	5/19/2022	4/26/2022
VBC	1813	210/211	1/28/2022		This room is utilized as a classroom and it is unlikely individuals would be in this room without the instructor (and/or PI) present; however, no emergency contact info is posted at the doors to either of these room.	Records - other	Minor	Confirm emergency contact information (ex: whom to contact with facilities issues, 911 for emergencies, etc.) is posted inside the door to these rooms.	Confirm action & Complete/update label or record	4/21/2022	4/20/2022
SEBHC	0165	General	4/4/2022		Animals in this facility can be utilized on multiple AUPs throughout the course of their lifetime. While animal usage is tracked by the facility manager there is not a well defined mechanism for tracking animals that could be used by other facility staff or Pis who wanted to determine how many AUPs/how many procedures an animal had been utilized on/for.	Records - Other	Minor	Confirm a mechanism for accurately tracking animals use is put in place and maintained.	Confirm action & Complete/update label or record	5/19/22	4/26/22
SEBHC	0165	AVI009	4/4/2022		High/low temperatures are tracked on the daily care sheet in the other housing areas, but not in this room. The room is monitored electronically and will alert facility personnel if out of range.	Animal records - daily care	Minor	Update daily care sheet for this room to include temperature tracking.	Complete/update label or record	5/19/22	5/1/22
SEBHC	0165	AVI009A	4/4/2022		This room is not currently used for animal procedures but at least one cockroach was noted in the drawers during the inspection. This is part of a larger issue involving two leaking dishwashers in AVI010.	Cleaning/Environment	Minor	Confirm dishwashers will be repaired or replaced and pest management plan put in place to address this issue.	Confirm action & Repair/replace/close	5/19/2022	5/11/2022
SEBHC	0165	AVI010	4/4/2022		This room has two dishwashers that leak when in use. According to facility management the leaking water has attracted cockroaches and their current pest management plan is insufficient to deal with the issue. Standard pest management plans are unacceptable due to species housed in this facility.	Cleaning/Environment	Minor	Confirm dishwashers will be repaired or replaced and pest management plan put in place to address this issue.	Confirm action & Repair/replace/close	5/19/22	5/11/22
SEBHC	0165	AVI012	4/4/2022		At the time of inspection there was no water available in the tanks/containers of the animals in this room. The individual responsible for their care was scheduled to come directly after the inspection and would address this issue at that time. The AUP these animals are housed on indicates animals fed/watered/observed 3x/week when in quarantine. It was unclear if these animals were in quarantine (lack of signage indicating this).	Records - AUP	Minor	While an exception to the "must" requirement of food/water availability is approved in AUP 2020-0049 the statement is confusing - "Tortoises need only be fed and provided water access and outside sun 3 times weekly during quarantine". Provide clarification - are the animals housed in this room under quarantine? If so, ensure signage is posted indicating this or it is clearly indicated in their daily care sheet or husbandry sheet. If animals were not in quarantine and this is desired standard of care, the husbandry exception to this AUP must be revised and animals cared for daily until amendment approved.	Provide confirmation/clariification & Submit Amendment or VVC	5/19/22	4/25/22
SEBHC	0165	AVI019	4/4/2022	X	Multiple expired controlled substances were noted in the lockbox in this room. This is a repeat finding (third time) for the PI. All drugs were separated from in-date supplies in the lock box and labeled "Expired - not for use in live animals" at the time	Expired - controlled substances	Minor	PI must develop a drug log SOP and submit to IACUC for review. Confirm they will meet with PAM 1 month prior to next inspection.	Develop documentation/SOP & PAM visit	5/19/22	4/26/22
ARTF	0047	General	4/5/2022		The majority of the facility's tanks/housing areas are included on a whiteboard in this location indicating species and project they are on, but a few locations are missing.	Records - Other	Minor	Confirm that animals housed at facility are appropriately identified (all locations listed).	Complete/update label or record	5/19/2022	4/25/2022
VMP	1192	113	4/6/2022		Expired drugs were noted in this room (epinephrine (3/22) and AtrojectSA (8/21)). They were discarded at the time of inspection.	Expired - drugs/substances	Minor	Accept facility's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
VMP	1192	120	4/6/2022		A secondary container of 70% EtOH in this room did not have an expiration date listed on it, but the primary container (located in the room) does.	Improper/unclear/no label	Minor	Confirm when a primary container lists an expiration date that this date will be listed on all secondary containers.	Complete/update label or record & Confirm action	5/19/22	5/11/22
VMP	1192	Concrete slab	4/6/2022		No AUP information was listed on pen #12 for the calves in this area.	Records - Other	Minor	Confirm animals/pen will be appropriately identified. See TAMU-G-014 for additional information (Section 5.1.1.1).	Confirm action & Complete/update label or record	5/19/22	5/11/22
VMP	Equine housing	Interior room	4/6/2022		Two bottles of Virox (Intervention) were noted on the table in the interior room of this building. One had a date listed on it, the other did not.	Improper/unclear/no label	Minor	Confirm when a primary container lists an expiration date that this date will be listed on all secondary containers. NOTE: If the container should list a "date made" instead of an expiration date, do that instead.	Confirm action & Complete/update label or record	5/19/22	5/11/22
VMP	1195	Lab	4/6/2022		A secondary container of 70% EtOH in this room did not have an expiration date listed on it. Additionally, expired sutures (1/22) were noted in this room. Both were set aside on the counter at the time of inspection.	Improper/unclear/no label & Expired - Medical Supplies	Minor	Confirm when a primary container lists an expiration date that this date will be listed on all secondary containers. Additionally, confirm cabinet/drawer contents will be reviewed and all expired materials discarded.	Complete/update label or record & Discard/label & segregate	5/19/22	5/11/22
VMP	Beagle Pens	Storage silo	4/6/2022		A tub of expired pigeon feed was noted in this silo. Pigeons have not been housed in this facility for over a year. It was discarded at time of inspection.	Expired - feed	Minor	Accept facility's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
VMP	1220	General	4/6/2022		The air filter in this room needed to be changed. It was changed at the time of inspection.	Expired - instruments/machines	Minor	Accept facility's actions; no further corrective actions required.	Repair/replace/close	Corrected at time of inspection	Corrected at time of inspection
VMP	1044	General	4/6/2022		VMP Facility personnel have recently rescinded approval for vertebrate animal work in this building as the HVAC system is unreliable. They have had communications with Pis who have previously utilized this facility but there is no signage posted regarding use restriction for this building. During the inspection it was noted that two Pis have been utilizing this space for very brief vertebrate animal procedures.	Other	Minor	1) Facility should post signage at the door to this building indicating it's availability for use (as decided by the facility). If the building is no longer acceptable for any animal use, the signage must clearly indicate this.	Complete/update label or record	5/19/22	5/11/22
VMP	1044	General	4/6/2022		VMP Facility personnel have recently rescinded approval for vertebrate animal work in this building as the HVAC system is unreliable. They have had communications with Pis who have previously utilized this facility but there is no signage posted regarding use restriction for this building. During the inspection it was noted that two Pis have been utilizing this space for very brief vertebrate animal procedures. AUP 2021-0109 does have this facility listed as an approved procedure site; however, AUP 2022-0001 does not.	Records - AUP	Minor	1) If a new location will be utilized for vertebrate animal work listed in 2021-0109, the AUP must be amended to include the new location(s). 2) The PI for AUP 2022-0001 must amend their AUP to list the location(s) where animal procedures will occur.	Submit Amendment or VVC	5/19/2022	4/27/2022
VEA	1193	Exam room	4/7/2022		The latest visible sticker on the anesthetic vaporizer in this room indicated the machine was last certified in 2019. Facility director believes machine was certified more recently than this.	Expired - instruments/machines	Minor	Confirm the machine has been certified since 2019 and is in-date or confirm machine will be recertified prior to use.	Calibrate/certify/test & document	5/19/2022	4/25/2022
VEA	4542	Kitchen	4/7/2022		Expired drugs were noted in the refrigerator in this room (Metronidazole - 4/20 and Enrofloxacin - 2/22). They were discarded at the time of inspection.	Expired - drugs/substances	Minor	Accept facility's actions; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
VEA	Overall	Overall	4/7/2022		Enclosure cards were marked with the incorrect AUP number. Cards were updated at the time of inspection.	Records - Other	Minor	Accept facility's actions; no further corrective actions required.	Complete/update label or record	Corrected at time of inspection	Corrected at time of inspection
RSC	Overall	General	4/7/2022		Previous USDA findings for this facility indicated front pens/pastures were overgrown at the time of their inspection and the facility should be on a regular mowing maintenance plan. The front pastures (22-24) and Pens (25 - 29) were overgrown at the time of the IACUC inspection. Facility personnel indicated they were due for a scheduled mow in the near future.	Facility Repair & Function	Minor	Confirm facility has been mowed and is being maintained on a regular schedule that will prevent these areas from being overgrown.	Provide confirmation/clariification	6/16/22	5/19/22
RSC	1750	135	4/7/2022		This room was indicated as being the room that would be utilized for procedures on AUP 2022-0004, however it is currently being used as storage and is not appropriate for animal procedure use.	Cleaning/Environment	Minor	Confirm this room will be cleaned out (removing cardboard storage) and up (cleaning surfaces) prior to use with live animals.	Clean area or item & Confirm action	5/19/2022	4/26/2022

Inspection	Building	Room	Inspection Date	Repeat Deficiency?	Finding	Finding Category	Def. Category	Corrective Action Plan	Corrective Action Category	Timetable for Correction	Correction_Date
RSC	1752	General	4/7/2022		This barn was not currently in use at the time of inspection but was recently used to house animals. The ceiling insulation is coming apart/possibly falling down in several areas.	Facility Repair & Function	Minor	Confirm this issue will be addressed prior to use for housing.	Provide confirmation/clarification & Repair/replace/close	6/16/22	5/19/22
RSC	1752	Side stalls (outside barn structure)	4/7/2022		The side stalls attached to this barn had significant overgrowth of plants (climbing vines growing up the sides of the pens and around the fronts) and would be difficult to utilize for animals.	Facility Repair & Function	Minor	Confirm these stalls will be cleared prior to use for housing or procedures.	Provide confirmation/clarification & Clean area or item	6/16/22	5/19/22
RSC	1754	General	4/7/2022		This barn was not currently in use at the time of inspection but could be used to house animals. The ceiling insulation is coming apart/possibly falling down in several areas.	Facility Repair & Function	Minor	Confirm this issue will be addressed prior to use for housing.	Provide confirmation/clarification & Repair/replace/close	6/16/22	5/19/22
RSC	1754	Lab space	4/7/2022		Animals are not utilized in this space, but inspectors noted what appeared to be multiple water leaks in the ceiling of this room and potential mold growth. Additionally an unmarked container (white, screw lid jar) filled with (suspected) paraformaldehyde was noted in this room.	Facility Repair & Function	Minor	Confirm door will be marked "Not for Animal Use"	Confirm action	6/16/22	5/19/22
RSC	1755	Surgical areas	4/7/2022		Both anesthetic vaporizers in this building were out of date (due 12/21). Additionally, there were two vaporizers being stored in plastic bags that inspectors were unable to determine the last date of certification for.	Expired - instruments/machines	Minor	Confirm all vaporizers will be certified prior to use.	Calibrate/certify/test & document & Confirm action	6/16/22	5/19/22
RSC	1755	Surgical areas	4/7/2022		The air output covers in these rooms were dirty and should be cleaned.	Facility Repair & Function	Minor	Confirm air vents will be cleaned.	Provide confirmation/clarification & Clean area or item	6/16/22	5/19/22
RSC	1756	Pens 17 & 18	4/7/2022		Loose (unsecured) metal was noted at the bottom portions of both of these pens. These sharp edges could result in animal injury if animals were housed here.	Facility Repair & Function	Minor	Confirm metal will be filed down or reattached to the rest of the pen to mitigate the exposed edges.	Provide confirmation/clarification & Repair/replace/close	6/16/22	5/19/22
EQNR	0184	109	4/11/2022		The floors in this room were dirty with debris tracked in from animal pens/outside.	Cleaning/Environment	Minor	Confirm room is cleaned on a regular schedule to ensure adequate sanitation. Indicate cleaning schedule; eg.: light clean up daily with extensive cleaning weekly.	Clean area or item & Confirm action	6/16/2022	5/24/22
EQNR	0184	Pens	4/11/2022		An animal in a back pen was noted to have an injury (small cut) on its leg. Wire securing the fence in place projects into the field in some areas; animal access to this is a potential injury concern. The facility director was notified regarding the animal at the time of inspection.	Primary enclosure & Facility Repair & Function	Minor	Confirm animal treated as needed and wire twists along the fence line will be redirected away from directly projecting into the pasture/pen areas.	Confirm action & Repair/replace/close	6/16/2022	5/24/22
FREE/EQCT	1151/1153	Turn-outs	4/11/2022		The bottom portions of some of the turn-out fences are no longer secured to posts and are curling upwards. Additionally, some of the fences had a relatively significant gap between the ground and the bottom of the wire.	Primary enclosure & Facility Repair & Function	Minor	Confirm facility will review bottom fence height to ensure animals are unable to become caught or trapped.	Confirm action	6/16/2022	5/24/22
FREE	1151	Lab	4/11/2022		Expired Quest Plus (Exp. 2/2022) noted during the inspection. It was discarded at the time of inspection.	Expired - drugs/substances	Minor	Accept facility response; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
FREE	1151	Lab	4/11/2022		The sharps container in this room was over-full (above max fill height).	Improper sharps use	Minor	Confirm sharps container will be appropriately discarded and replaced.	Confirm action & Repair/replace/close	6/16/2022	5/24/22
PMC	1149	Stalls	4/12/2022		The barn was recently used for housing and will be used in the near future. Several of the stalls were noted to have parts of the metal paneling in them broken which resulted in potentially sharp ends.	Facility Repair & Function	Minor	Confirm metal will be repaired/replaced prior to use for housing animals in affected stalls.	Confirm action & Repair/replace/close	6/16/2022	5/20/22
PMC	Feed storage	All	4/12/2022		Loose feed was stored in the back of the utility vehicle stored in this container. Open bags of feed were stored outside of secondary containers in this area.	Improper storage - food/water	Minor	Confirm open bags of feed will be stored in sealable secondary containers and loose feed covered (and will be fed same day) to prevent attracting vermin/pests.	Confirm action & Store drug/item appropriately	6/16/2022	5/20/22
TIPS	1904	1035	4/18/2022		At least two vaporizers in this room were out of date or missing a certification sticker.	Expired - instruments/machines	Minor	Confirm no vaporizers that are out of date or missing certification stickers will be used prior to recertification.	Confirm action & Calibrate/certify/test & document	7/21/2022	
TIPS	1904	1075	4/18/2022		Construction was occurring across the hall from this room at the time of inspection. Inspectors were concerned about the impact of construction on the temperature of the room and exposure of animals to noise/vibration. Lab personnel indicated that no animal activities are planned prior to the expiration of the AUP listing this room as a housing/procedure site.	Facility Repair & Function	Minor	Confirm room will not be utilized for live animal activities prior to construction completion.	Confirm action	6/16/2022	5/20/22
TIPS	1904	1076	4/18/2022		Construction was occurring across the hall from this room at the time of inspection. Inspectors were concerned about the impact of construction on the temperature of the room and exposure of animals to noise/vibration. Lab personnel indicated that no animal activities are planned prior to the expiration of the AUP listing this room as a housing/procedure site.	Facility Repair & Function	Minor	Confirm room will not be utilized for live animal activities prior to construction completion.	Confirm action	6/16/2022	5/20/22
ASTREC	PFL	PI drug storage	4/19/2022		Expired scalpels were noted in the black tool box (PI supplies) at this facility.	Expired - Medical Supplies	Minor	Confirm expired materials will be discarded or marked "Not for use in live animals" and stored separately from in-date supplies.	Confirm action & Discard/label & segregate	6/16/2022	4/19/22
ASTREC	PFL	4026	4/19/2022		An expired substance (label unclear, expiration date 2010) was noted in this building. It was discarded at the time of inspection.	Expired - drugs/substances & Improper/unclear/no label	Minor	Accept facility response; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
ASTREC	BCS	Storage shed	4/19/2022		Multiple expired substances were noted in this storage facility. They were all discarded at the time of inspection.	Expired - drugs/substances	Minor	Accept facility response; no further corrective actions required.	Discard/label & segregate	Corrected at time of inspection	Corrected at time of inspection
ASTREC	BCS	Receiving Pen 11	4/19/2022		Hay ring in this area had two broken rings; animal access to this is a potential injury concern.	Facility Repair & Function	Minor	Confirm the ring was removed from the pen.	Confirm action & Repair/replace/close	6/16/2022	6/15/22
ASTREC	4010	113	4/19/2022		The ceiling in this room was noted to be discolored. Facility personnel indicated that it is soot from a previous facility issue and the room has been cleaned but the soot has stained the ceiling. Additionally, the hatch previously noted to be secured via duct tape is now open (hatch missing).	Facility Repair & Function	Minor	Confirm the ceiling has been cleaned a work order has been submitted to have the ceiling hatch closed.	Confirm action & Repair/replace/close	6/16/2022	6/15/22
ASTREC	4010	117	4/19/2022		The recertification sticker on the vaporizer in this room indicates it was due for recertification 10/2021.	Expired - instruments/machines	Minor	Confirm the vaporizer will be recertified prior to next use (or provide confirmation that it has been recertified since 10/2019).	Confirm action & Provide confirmation/clarification	6/16/2022	6/15/22
ASTREC	4011	General	4/19/2022		An open bag of feed (ripped along sides) was noted in this area. It appears the feed bag was taped, but the tape is not holding and feed is spilling out.	Improper storage - food/water	Minor	Confirm open bags of feed will be stored in sealable secondary containers or taped to prevent spillage/pest attraction.	Confirm action & Store drug/item appropriately	6/16/2022	5/24/22
ASTREC	4016	103	4/19/2022		Daily care sheets are maintained for animals in this room, however gaps are noted in these records when animals are not housed in the room. It is unclear in the records that animals are not present.	Animal records - daily care	Minor	Confirm daily care sheets will note when animals not present.	Confirm action & Complete/update label or record	6/16/2022	6/15/22
ASTREC	4016	General	4/19/2022		Individuals that care for animals at this facility are trained by the facility manager, however, training is not documented.	Training	Minor	Confirm personnel training in animal care activities will be documented	Confirm action & Complete/update label or record	6/16/2022	6/15/22
ASTREC	4025	107	4/19/2022		Expired sheep feed was noted in this room.	Expired - feed	Minor	Confirm expired feed will be discarded.	Confirm action & Discard/label &	6/16/2022	6/8/22
ASTREC	4025	109	4/19/2022		Evidence of rodents was noted in this room; it is not in use for animals at this time, but evidence here could indicate potential issues in rooms where animals are housed/used. PI indicated they had observed evidence of rodents late last year and had informed SSC. They've seen a dramatic improvement since treatment.	Cleaning/Environment	Minor	Confirm situation is being monitored and pest/vermin control management plan is in place for this facility. Confirm room will be cleaned.	Confirm action	6/16/2022	6/15/22
ASTREC	508	Skills Stalls 1 & 2	4/20/2022		These stalls had an identification card indicating the horses housed in them were part of a research project but they only listed a veterinary contact - there was no AUP or PI information listed. It was unclear which research project these animals were being utilized for.	Records - Other	Minor	Confirm stall cards will include AUP number and PI contact information when animals housed for a research project. See TAMU-G-014 for additional information.	Confirm action & Complete/update label or record	6/16/2022	5/28/22
ASTREC	1085	1091	4/22/2022		The ceiling tiles in this room were dirty (dusty?) along the borders between individual tiles. Additionally, potential water damage can be seen at the back right corner of the ceiling.	Cleaning/Environment	Minor	Confirm a work order has been submitted to address these issues, or that they have been cleaned/repared.	Confirm action & Clean area or item	6/16/2022	5/23/22
ASTREC	1085	1091	4/22/2022		Several expired items were noted in this room (suture (exp. 2021) and tomo cap (exp. 2020)).	Expired - Medical Supplies	Minor	Confirm expired items have been discarded or labeled as "Not for use in live animals" and segregated from in-date supplies.	Confirm action & Discard/label & segregate	6/16/2022	6/8/22