

**SEMI-ANNUAL PROGRAMMATIC REVIEW
UNIVERSITY OF ILLINOIS AT CHICAGO**

Date: May 15, 2019

An evaluation of the program of animal care and use at the University of Illinois at Chicago was conducted using the 8th edition of the *Guide for the Care and Use of Laboratory Animals (Guide)* and the USDA Regulations and Standards.

The following members of the ACC took part in the programmatic review:

[REDACTED]

[REDACTED]

Significant deficiencies:

YES	NO
	X

Departures from Guide:

YES	NO
X	

Departures from AWARs

YES	NO
	X

1. Animal Care and Use Program		A	MI	S	C	NA
• Responsibility for animal well-being is assumed by all members of the program (<i>Guide</i> , p 1) [must]	X					
• IO has authority to allocate needed resources (<i>Guide</i> , p 13)	X					
• Resources necessary to manage program of veterinary care are provided (<i>Guide</i> , p 14) [must]	X					
• Sufficient resources are available to manage the program, including training of personnel in accord with regulations and the <i>Guide</i> (<i>Guide</i> , pp 11, 15)	X					
• Program needs are regularly communicated to IO by AV and/or IACUC (<i>Guide</i> , p 13)	X					
• Responsibilities for daily animal care and facility management are assigned to specific individual(s) when a full-time veterinarian is not available on site (<i>Guide</i> , p 14) [must]						X
• Procedures are in place for Inter-institutional collaborations including ensuring IACUC approval (<i>Guide</i> , p 15)	X					
2. Disaster Planning and Emergency Preparedness		A	MI	S	C	NA
• Disaster plans for each facility to include satellite locations are in place (<i>Guide</i> , p 35, p 75) [must]	X					
• Plans include provisions for euthanasia (<i>Guide</i> , p 35) [must]	X					
• Plans include triage plans to meet institutional and investigators' needs (<i>Guide</i> , p 35)	X					
• Plans define actions to prevent animal injury or death due to HVAC or other failures (<i>Guide</i> , p 35)	X					
• Plans describe preservation of critical or irreplaceable animals (<i>Guide</i> , p 35)	X					
• Plans include essential personnel and their training (<i>Guide</i> , p 35)	X					
• Animal facility plans are approved by the institution and incorporated into overall response plan (<i>Guide</i> , p 35)	X					
• Law enforcement and emergency personnel are provided a copy and integration with overall plan is in place (<i>Guide</i> , p 35)	X					
3. IACUC		A	MI	S	C	NA
• Meets as necessary to fulfill responsibilities (<i>Guide</i> , p 25) [must]	X					
• IACUC Members named in protocols or with conflicts recuse themselves from protocol decisions (<i>Guide</i> , p 26) [must]	X					
• Continuing IACUC oversight after initial protocol approval is in place (<i>Guide</i> , p 33)	X					
• IACUC evaluates the effectiveness of training programs (<i>Guide</i> , p 15)	X					
4. IACUC Protocol Review - Special Considerations		A	MI	S	C	NA
• 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</i> , p 27)	X					
• For pilot studies, a system to communicate with the IACUC is in place (<i>Guide</i> , p 28)	X					

• For genetically modified animals, enhanced monitoring and reporting is in place (<i>Guide</i> , p 28)	X				
• Restraint devices are justified in the animal use protocols (<i>Guide</i> , p 29) [must]	X				
• Alternatives to physical restraint are considered (<i>Guide</i> , p 29)	X				
• Period of restraint is the minimum to meet scientific objectives (<i>Guide</i> , p 29)	X				
• Training of animals to adapt to restraint is provided (<i>Guide</i> , p 29)	X				
• Animals that fail to adapt are removed from study (<i>Guide</i> , p 29)	X				
• Appropriate observation intervals of restrained animals are provided (<i>Guide</i> , p 29)	X				
• Veterinary care is provided if lesions or illness result from restraint (<i>Guide</i> , p 30) [must]	X				
• Explanations of purpose and duration of restraint are provided to study personnel (<i>Guide</i> , p 30)	X				
• Multiple surgical procedures on a single animal are justified and outcomes evaluated (<i>Guide</i> , p 30)	X				
• Major versus minor surgical procedures are evaluated on a case-by-case basis (<i>Guide</i> , p 30)	X				
• Multiple survival procedure justifications in non-regulated species conform to regulated species standards (<i>Guide</i> , p 30)	X				
• Animals on food/fluid restriction are monitored to ensure nutritional needs are met (<i>Guide</i> , p 31)	X				
• Body weights for food/fluid restricted animals are recorded at least weekly (<i>Guide</i> , p 31)	X				
• Daily written records are maintained for food/fluid restricted animals (<i>Guide</i> , p 31)	X				
• Pharmaceutical grade chemicals are used , when available, for animal-related procedures (<i>Guide</i> , p 31)	X				
• Non-pharmaceutical grade chemicals are described, justified, and approved by IACUC (<i>Guide</i> , p 31)	X				
• Investigators conducting field studies know zoonotic diseases, safety issues, laws and regulations applicable in study area (<i>Guide</i> , p 32)	X				
• Disposition plans are considered for species removed from the wild (<i>Guide</i> , p 32)	X				
• Toe-clipping only used when no alternative, performed aseptically and with pain relief (<i>Guide</i> , p 75)	X				

5. IACUC Membership and Functions

	A	MI	S	C	NA
• IACUC is comprised of at least 5 members, appointed by IO who has delegated responsibility (PHS Policy, IV.A.3.)	X				
• Members include a veterinarian, a scientist, a nonscientist, and a nonaffiliated non-lab animal user (<i>Guide</i> , p 24)	X				
• IACUC authority and resources for oversight and evaluation of institution's program are provided (<i>Guide</i> , p 14)	X				
• IACUC conducts semiannual evaluations of institutional animal care and use program (PHS Policy, IV.B.)	X				
• IACUC conducts semiannual evaluation of the social housing and enrichment program	X				

• Conducts semiannual inspections of institutional animal facilities (PHS Policy, IV.B.)	X				
• IACUC organizationally reports to the Institutional Official (PHS Policy, IV.A.1.b.)	X				
• Methods for reporting and investigating animal welfare concerns are in place (<i>Guide</i> , p 23) [must]	X				
• Reviews and investigates concerns about animal care and use at institution ⁱ (PHS Policy, IV.B.)	X				
• Procedures are in place for review, approval, and suspension of animal activities ⁱⁱ (PHS Policy, IV.B.)	X				
• Procedures are in place for review and approval of significant changes to approved activities (PHS Policy, IV.B.)	X				
• Policies are in place for special procedures (e.g., genetically modified animals, restraint, multiple survival surgery, food and fluid regulation, field investigations, agricultural animals) (<i>Guide</i> , p 27-32)	X				
• Requests for exemptions from major survival surgical procedure restrictions are made to USDA/APHIS (<i>Guide</i> , p 30) [must]	X				

6. IACUC Training

A MI S C NA

○ Formal orientation to institution's program (<i>Guide</i> , p 17)	X				
○ Training on legislation, regulations, guidelines, and policies (<i>Guide</i> , p 17)	X				
○ Training on how to inspect facilities and labs where animal use or housing occurs (<i>Guide</i> , p 17)	X				
○ Training on how to review protocols as well as evaluate the program (<i>Guide</i> , p 17)	X				
○ Ongoing training/education (<i>Guide</i> , p 17)	X				

7. IACUC Records and Reporting Requirements

A MI S C NA

○ Submitted to IO every 6 months	X				
○ Compiles program review and facility inspection(s) results (includes all program and facility deficiencies)	X				
○ Includes minority IACUC views	X				
○ Describes IACUC-approved departures from the <i>Guide</i> or PHS Policy and the reasons for each departure	X				
○ Distinguishes significant from minor deficiencies	X				
○ Includes a plan and schedule for correction for each deficiency identified	X				
○ Annual report to OLAW documents program changes, dates of the semiannual program reviews and facility inspections and includes any minority views	X				
○ Promptly advises OLAW of serious/ongoing <i>Guide</i> deviations or PHS Policy noncompliance (NOT-OD-05-034)	X				
○ Institute must promptly advise OLAW of any suspension of an animal activity by the IACUC (NOT-OD-05-034)	X				
○ Annual report to USDA contains required information including all exceptions/exemptions	X				
○ Reporting mechanism to USDA is in place for IACUC-approved exceptions to the regulations and standards	X				

o Reports are filed within 15 days for failures to adhere to timetable for correction of significant deficiencies	X				
o Promptly reports suspensions of activities by the IACUC to USDA and any Federal funding agency	X				
o IACUC meeting minutes and semiannual reports to the IO are maintained for 3 years	X				
o Records of IACUC reviews of animal activities include all required information	X				
o Records of IACUC reviews are maintained for 3 years after the completion of the study	X				

8. Personnel Qualifications and Training

	A	MI	S	C	NA
o Veterinary/other professional staff (<i>Guide</i> , p 15-16)	X				
o IACUC members (<i>Guide</i> , p 17)	X				
o Animal care personnel (<i>Guide</i> , p 16)	X				
o Research investigators, instructors, technicians, trainees, and students (<i>Guide</i> , pp 16-17)	X				
• Continuing education for program and research staff provided to ensure high quality care and reinforce training (<i>Guide</i> , pp 16-17)	X				
• Training is available prior to starting animal activity (<i>Guide</i> , p 17)	X				
• Training is documented (<i>Guide</i> , p 15)	X				
o Methods for reporting concerns (<i>Guide</i> , p 17)	X				
o Humane practices of animal care (e.g., housing, husbandry, handling)	X				
o Humane practices of animal use (e.g., research procedures, use of anesthesia, pre- and post-operative care, aseptic surgical techniques and euthanasia (<i>Guide</i> , p 17)	X				
o Research/testing methods that minimize numbers necessary to obtain valid results (PHS Policy, IV.A.1.g.)	X				
o Research/testing methods that minimize animal pain or distress (PHS Policy, IV.A.1.g.)	X				
o Use of hazardous agents, including access to OSHA chemical hazard notices where applicable (<i>Guide</i> , p 20)	X				
o Animal care and use legislation (<i>Guide</i> , p 17)	X				
o IACUC function (<i>Guide</i> , p 17)	X				
o Ethics of animal use and Three R's (<i>Guide</i> , p 17)	X				

9. Occupational Health and Safety of Personnel

	A	MI	S	C	NA
• Program is in place and is consistent with federal, state, and local regulations (<i>Guide</i> , p 17) [must]	X				
• Program covers <i>all</i> personnel who work in laboratory animal facilities (<i>Guide</i> , p 18)	X				
• Changing, washing, and showering facilities are available as appropriate (<i>Guide</i> , p 19)	X				
• Hazardous facilities are separated from other areas and identified as limited access (<i>Guide</i> , p 19)	X				

• Personnel training is provided based on risk (e.g., zoonoses, hazards, personal hygiene, special precautions, animal allergies) (<i>Guide, p 20</i>)	X				
• Personal hygiene procedures are in place (e.g., work clothing, eating/drinking/smoking policies) (<i>Guide, p 20</i>)	X				
• Procedures for use, storage, and disposal of hazardous biologic, chemical, and physical agents are in place (<i>Guide, p 21</i>)	X				
• Personal Protective Equipment for the work area is appropriate and available (<i>Guide, p 21</i>)	X				
o Pre-employment evaluation including health history based on risk analysis (<i>Guide, p 22</i>)	X				
o Immunizations as appropriate (e.g., rabies, tetanus) and tests as appropriate (<i>Guide, p 22</i>)	X				
o Zoonosis surveillance as appropriate (e.g., Q-fever, tularemia, Hantavirus, plague) (<i>Guide, p 23</i>)	X				
o Procedures for reporting and treating injuries, including accidents, bites, allergies, etc. (<i>Guide, p 23</i>)	X				
o Promotes early diagnosis of allergies including preexisting conditions (<i>Guide, p 22</i>)	X				
o Considers confidentiality and other legal factors as required by federal, state and local regulations (<i>Guide, p 22</i>) [must]	X				
o If serum samples are collected, the purpose is consistent with federal and state laws (<i>Guide, p 22</i>) [must]	X				
• Waste anesthetic gases are scavenged (<i>Guide, p 21</i>)	X				
• Hearing protection is provided in high noise areas (<i>Guide, p 22</i>)	X				
• Respiratory protection is available when performing airborne particulate work (<i>Guide, p 22</i>)	X				
o Tuberculosis screening provided for all exposed personnel (<i>Guide, p 23</i>)	X				
o Training and implementation of procedures for bites, scratches, or injuries associated with macaques (<i>Guide, p 23</i>)	X				
o PPE is provided including gloves, arm protection, face masks, face shields, or goggles (<i>Guide, p 21</i>)	X				
o Injuries associated with macaques are carefully evaluated and treatment implemented (<i>Guide, p 23</i>)	X				
• Occupational safety and health of field studies is reviewed by UHS (<i>Guide, p 32</i>)	X				
10. Personnel Security	A	MI	S	C	NA
• Preventive measures in place include pre-employment screening, and physical and IT security (<i>Guide, p 23</i>)	X				
11. Investigating & Reporting Animal Welfare Concerns	A	MI	S	C	NA
• Methods for investigating and reporting animal welfare concerns are established (<i>Guide, p 23</i>) [must]	X				
• Reported concerns and corrective actions are documented (<i>Guide, p 24</i>)	X				
• Mechanisms for reporting concerns are posted in facility and at applicable website with	X				

• Personnel training is provided based on risk (e.g., zoonoses, hazards, personal hygiene, special precautions, animal allergies) (<i>Guide, p 20</i>)	X				
• Personal hygiene procedures are in place (e.g., work clothing, eating/drinking/smoking policies) (<i>Guide, p 20</i>)	X				
• Procedures for use, storage, and disposal of hazardous biologic, chemical, and physical agents are in place (<i>Guide, p 21</i>)	X				
• Personal Protective Equipment for the work area is appropriate and available (<i>Guide, p 21</i>)	X				
o Pre-employment evaluation including health history based on risk analysis (<i>Guide, p 22</i>)	X				
o Immunizations as appropriate (e.g., rabies, tetanus) and tests as appropriate (<i>Guide, p 22</i>)	X				
o Zoonosis surveillance as appropriate (e.g., Q-fever, tularemia, Hantavirus, plague) (<i>Guide, p 23</i>)	X				
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o Considers confidentiality and other legal factors as required by federal, state and local regulations (<i>Guide, p 22</i>) [must]	X				
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11. Investigating & Reporting Animal Welfare Concerns	A	MI	S	C	NA
• Methods for investigating and reporting animal welfare concerns are established (<i>Guide, p 23</i>) [must]	X				
• Reported concerns and corrective actions are documented (<i>Guide, p 24</i>)	X				
• Mechanisms for reporting concerns are posted in facility and at applicable website with	X				

instructions (<i>Guide</i> , p 24)					
o Includes multiple contacts (<i>Guide</i> , p 24)	X				
o Includes anonymity, whistle blower policy, nondiscrimination and reprisal protection (<i>Guide</i> , p 24)	X				

A. Veterinary Care						
1. Veterinary Care	A	MI	S	C	NA	
• An arrangement for veterinarian(s) with training or experience in lab animal medicine is in place including backup veterinary care	X					
• Veterinary access to all animals is provided (<i>Guide, p 14</i>) [must]	X					
• Direct or delegated authority is given to the veterinarian to oversee all aspects of animal care and use (<i>Guide, p 14</i>) [must]	X					
• Veterinarian provides consultation when pain and distress exceeds anticipated level in protocol (<i>Guide, p 5</i>) [must]	X					
• Veterinarian provides consultation when interventional control is not possible (<i>Guide, p 5</i>) [must]	X					
• If part time /consulting veterinarian, visits meet programmatic needs (<i>Guide, p 14</i>)					X	
• Regular communication occurs between veterinarian and IACUC (<i>Guide, p 14</i>)	X					
• Veterinarian(s) have experience and training in species used (<i>Guide, p 15</i>) [must]	X					
• Veterinarian(s) have experience in facility administration/management (<i>Guide, p 15</i>)	X					
2. Clinical Care and Management	A	MI	S	C	NA	
• Veterinary program offers high quality of care and ethical standards (<i>Guide, p 105</i>) [must]	X					
• Veterinarian provides guidance to all personnel to ensure appropriate husbandry, handling, treatment, anesthesia, analgesia, and euthanasia (<i>Guide, p 106</i>)	X					
• Veterinarian provides oversight to surgery and perioperative care (<i>Guide, p 106</i>)	X					
• Veterinary care program is appropriate for program requirements (<i>Guide, pp 113-114</i>)	X					
• 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					
• Procedures to triage and prioritize incident reports are in place (<i>Guide, p 114</i>)	X					
o Problems with experiments to determine course of treatment in consultation with investigator(<i>Guide, p 114</i>)	X					
o Recurrent or significant health problems with the IACUC and documentation of treatments and outcomes (<i>Guide, p 114</i>)	X					
o Veterinary review and oversight of medical and animal use records (<i>Guide, p 115</i>)	X					
• Procedures established for timely reporting of animal injury, illness, or disease (<i>Guide, p 114</i>) [must]	X					
• Procedures established for veterinary assessment, treatment, or euthanasia (<i>Guide, p 114</i>) [must]	X					
• Veterinarian is authorized to treat, relieve pain, and/or euthanize (<i>Guide, p 114</i>) [must]	X					

3. Animal Procurement and Transportation/Preventive Medicine		A	MI	S	C	NA
• Procedures for lawful animal procurement are in place (<i>Guide, p 106</i>) [must]	X					
• Sufficient facilities and expertise are confirmed prior to procurement (<i>Guide, p 106</i>)	X					
• Procurement is linked to IACUC review and approval (<i>Guide, p 106</i>)	X					
• Population status of wildlife species is considered prior to procurement (<i>Guide, p 106</i>)	X					
• Appropriate records are maintained on animal acquisition (<i>Guide, p 106</i>)	X					
• Animal vendors are evaluated to meet program needs and quality (<i>Guide, p 106</i>)	X					
• Breeding colonies are based on need and managed to minimize numbers (<i>Guide, p 107</i>)	X					
• Procedures for compliance with animal transportation regulations, including international requirements, are in place (<i>Guide, p 107</i>) [must]	X					
• Transportation is planned to ensure safety, security and minimize risk (<i>Guide, p 107</i>)	X					
• 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					
• Appropriate loading and unloading facilities are available (<i>Guide, p 109</i>)	X					
• Environment at receiving site is appropriate (<i>Guide, p 109</i>)	X					
• Policies in place on separation by species, source, and health status (<i>Guide, pp 109, 111-112</i>)	X					
• Procedures in place for quarantine to include zoonoses prevention (<i>Guide, p 110</i>)	X					
• Quarantined animals from different shipments are handled separately or physically separated based on risk assessment (<i>Guide, p 110</i>)	X					
• Procedures in place for stabilization/acclimation (<i>Guide, pp 110-111</i>)	X					
• Policies in place for isolation of sick animals (<i>Guide, p 112</i>)	X					
• Program is in place for surveillance, diagnosis, treatment and control of disease to include daily observation (<i>Guide, p 112</i>)	X					
• Diagnostic resources are available for preventive health program (<i>Guide, p 112</i>)	X					
4. Surgery		A	MI	S	C	NA
• Surgical outcomes are assessed and corrective changes instituted (<i>Guide, p 115</i>)	X					
• Researchers have appropriate training to ensure good technique (<i>Guide, p 115</i>) [must]	X					
• 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					
• Aseptic surgery is conducted in dedicated facilities or spaces, unless exception justified and IACUC approved (<i>Guide, p 116</i>)	X					
• Surgical procedures including laparoscopic procedures are categorized as major or minor (<i>Guide, pp 117-118</i>)	X					
• For nonsurvival surgery, the site is clipped, gloves are worn and instruments and area are clean (<i>Guide, p 118</i>)	X					
• Aseptic technique is followed for survival surgical procedures (<i>Guide, pp 118-119</i>)	X					
• Effective procedures for sterilizing instruments and monitoring expiration dates on	X					

sterile packs are in place (<i>Guide, p 119</i>)						
• Procedures for monitoring surgical anesthesia and analgesia are in place (<i>Guide, p 119</i>)	X					
• For aquatic species, skin surfaces are kept moist during surgical procedures (<i>Guide, p 119</i>)	X					
• Post-operative monitoring and care are provided by trained personnel and documented (e.g., thermoregulation, physiologic function, analgesia, infection, removal of skin closures) (<i>Guide, pp 119-120</i>)	X					

5. Pain, Distress, Anesthesia and Analgesia

	A	MI	S	C	NA
• Guidelines for assessment and categorization of pain, distress and animal wellbeing are provided during training (<i>Guide, p 121</i>)	X				
• Selection of analgesics and anesthetics is based on professional veterinary judgment (<i>Guide, p 121</i>)	X				
• Painful procedures are monitored to ensure appropriate analgesic management (<i>Guide, p 122</i>)	X				
• Nonpharmacologic control of pain is considered as an element of postprocedural care (<i>Guide, p 122</i>)	X				
• Procedures are in place to assure antinociception before surgery begins (<i>Guide, p 122</i>) [must]	X				
• Guidelines for selection and use of analgesics and anesthetics are in place and regularly reviewed and updated (<i>Guide, p 122</i>)	X				
• Special precautions for the use of paralytics are in place to ensure anesthesia (<i>Guide, p 123</i>)	X				

6. Euthanasia

	A	MI	S	C	NA
• Methods are consistent with AVMA Guidelines on Euthanasia unless approved by the IACUC (<i>Guide, p 123</i>)	X				
• Standardized methods are developed and approved by the veterinarian and IACUC that avoid distress and consider animal age and species (<i>Guide, pp 123-124</i>)	X				
• Training is provided on appropriate methods for each species and considers psychological stress to personnel (<i>Guide, p 124</i>)	X				
• Procedures and training are in place to ensure death is confirmed (<i>Guide, p 124</i>) [must]	X				

7. Drug Storage and Control

	A	MI	S	C	NA
• Program complies with federal regulations for human and veterinary drugs(<i>Guide, p 115</i>) [must]	X				
• Drug records and storage procedures are reviewed during facility inspections (<i>Guide, p 115</i>)	X				
• Procedures are in place to ensure analgesics and anesthetics are used within expiration date (<i>Guide, p 122</i>) [must]	X				
• Anesthetics and analgesics are acquired, stored, and their use and disposal are recorded legally and safely (<i>Guide, p 122</i>)	X				

B. Other

	A	MI	S	C	NA
<ul style="list-style-type: none"> General Considerations: 					
Animal care staff eligibility and respiratory protection usage needs to be evaluated for work conducted in hazard rooms.	X				
Review pre-employment requirements of and annual assessments of ACTs with [REDACTED] to ensure that testing and immunization of employees is being conducted in a consistent manner	X				

A = acceptable

MI = minor deficiency

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

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

NA = not applicable

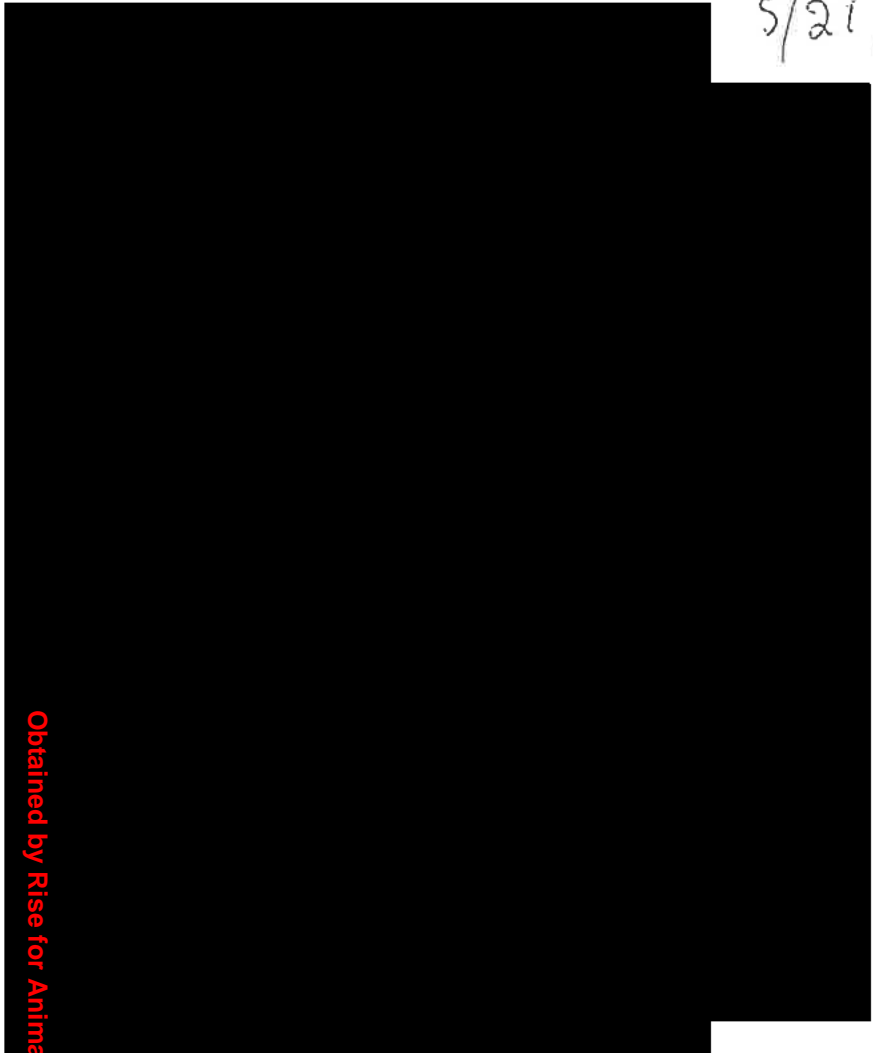
NOTES:

Primate Enrichment Social Housing Program Between October 1, 2018 and March 31, 2019

A total of 32 nonhuman primates entered the facility 23 cynomolgus macaques, 9 rhesus macaques and 0 baboons of which 18 animals had completed quarantine as of this report. There are currently 40 established pairs in the facility: 26 full contact pairs and 14 mesh contact pairs of which 10 are in the process of becoming full pairs. During this period, 53 new pairs were established, while 33 pairs were broken down for various reasons including euthanasia, incompatibility, placed on study, or no interaction/new pair formed.

I have reviewed the Semiannual Programmatic Review detailing the compliance of UIC Animal Care Program with the *Guide*, the USDA Standards and Regulations, and PHS Policy and understand that I have the right to file a minority report should I not agree with the findings.

5/21/2019



Departure Report
May 21, 2019

Number	Category	Description	ACC Number(s) if applicable	Date(s) of Approval/Expiration
1	Sanitation-Cleaning and Disinfection of Microenvironment	Cages are changed every 30 days instead of 14 days for cages supporting NHP infectious disease studies in the [REDACTED]. Pans are changed daily and cages are spot cleaned as needed. No health or husbandry problems with this exemption have been noted. Exemption approved for experimental and safety reasons.	16-079 16-101 17-052 18-162 18-170 18-203 19-054	6/14/16-5/17/19 9/12/16-7/19/19 6/9/2017-4/18/20 10/16/18-9/18/21 10/26/18-10/16/21 12/13/18-11/20/21 4/30/19-4/18/22
2	Sanitation-Cleaning and Disinfection of Microenvironment	Solid bottom cages for naked mole rats are changed every two weeks instead of every week for breeding colony cages and experimental cages to limit stress and increase breeding efficiency. Of specific note- larger colonies with larger caging systems establish a waste cage and this is spot cleaned as needed and at least weekly. No health or husbandry problems with this exemption have been noted. Exemption approved for experimental reasons.	18-060 18-064 18-086 18-176	5/15/18-5/15/21 6/5/18-5/15/21 7/2/18-6/19/21 12/20/18-11/20/21
3*	Sanitation-Cleaning and Disinfection of Microenvironment	Solid bottom cages for mice are changed every two weeks instead of every week in enrichment cages to reduce intra-cage aggression in some group-housed males. Floor space in these cages is 5 times standard cage and cages only house maximum of 5 animals. No health or husbandry problems with this exemption have been noted. Exemption approved for experimental reasons.	17-123	8/19/17-7/18/20
4	Sanitation-Cleaning and Disinfection of Microenvironment	Sentinel mice and rats are housed with dirty bedding from mice or rat cages, respectively, from within the housing room in order to monitor the microbial status of rodents and ensure biosecurity. Exemption approved as standard practice to monitor rodent colony health status.	18-221	12/18/18-12/18/21
5	Terrestrial Housing-Temperature and Humidity	Minimum humidity levels can fall below 30% during heating season due to HVAC infrastructure limitations. HVAC humidifiers are maintained and operated at full capacity, staff monitor humidity levels daily, and animals are monitored for health and welfare concerns associated with low humidity. Exemption approved by IACUC. No health or husbandry problems with this exemption have been noted.	Program	5/21/19

**Departure Report
May 21, 2019**

6	Terrestrial Housing-Ventilation	In order to maintain naked mole rats at temperatures of 75-85 F and 40-65% humidity levels which is more consistent with their natural environment in the wild, the PI has requested to maintain the room at a static ventilation rate and/or at a rate significantly below 10 air changes/hour. Exemption approved by IACUC. No health or husbandry problems with this exemption have been noted.	18-060 18-064 18-086 18-176	5/15/18-5/15/21 6/5/18-5/15/21 7/2/18-6/19/21 12/20/18-11/20/21
7	Sanitation-Cleaning and Disinfection of Microenvironment	Cages in isolator and water bottles in isolator are not changed weekly. Cage are changed according to the SOP established for the room. They are germ free so dirty bedding is collected weekly and cages wiped down and water is refilled.	17-045	3/28/17-3/21/20
8	Sanitation-Cleaning and Disinfection of Microenvironment	Cages are not changed during the 10 day period animals are undergoing telemetry monitoring to not disturb recordings during this time. Only one animal is housed/cage and cages are new and clean at the start of recordings. In addition, food is made available on the floor of the cage for greater accessibility and to reduce potential of wires being disturbed by wire top of cage.	19-062	5/13/19-4/18/22
9	Terrestrial Management-Husbandry	Mole Rats highly conserve water and obtain all water via food sources only. Therefore, water bottles are not provided in cages.	18-060 18-064 18-086 18-176	5/15/18-5/15/21 6/5/18-5/15/21 7/2/18-6/19/21 12/20/18-11/20/21

* The ACC noted that these departures were not used during this semi-annual period.

Facilities Inspection Report
May 15, 2019

Present: [REDACTED]

Guest(s): None

E-mail correspondence: None

Members of the UIC Animal Care Committee met to review and discuss the inspection of animal facilities conducted April 2, 4 and 5, 2019. The facilities were evaluated in terms of their compliance with the 8th Edition of the *Guide for the Care and Use of Laboratory Animals (Guide)* and the Standards promulgated to implement the Animal Welfare Act. This report includes new items that have arisen since the semiannual inspection, October 2-5, 2018, as well as those areas where improvements are being made in the facilities and equipment as part of the overall long-range program for maintaining and upgrading the level of animal care on the campus. The following report will consist of a facility by facility description of items that should be addressed to ensure compliance with the recommendations of the *Guide*. There were no significant deficiencies observed in any animal facility as determined by the *Guide* or the Animal Welfare Standards during this inspection.

General Comments Prior to the meeting [REDACTED] reminded the members that the report represented a review of issues considered to be either in addition to the routine maintenance items identified in the room by room inspection report or recurring maintenance or management issues that should be emphasized.

Special Recognition - [REDACTED] recognized the efforts of the following ACC members who participated in the April 2019 facility inspection: [REDACTED]
[REDACTED]
[REDACTED]

During the inspection, the air turnover and air pressure throughout the facility was appropriate. **The following items/issues were addressed since the last inspection:**

[REDACTED] Ceiling needs to be painted near light fixture and fixture needs to be cleaned due to prior water leak.

[REDACTED] Cardboard boxes should be stored off of the floor.

[REDACTED] Several containers of PBS and water have been opened for months or have no date. Eppendorf tubes with FITC have no made or expiration date. Pertussis toxin has date of 11/2017. These should be discarded.

■ Need a binder with ACC approved protocols and modifications in lab.

■ Vermin trap has a solid top.

■ Cardboard boxes should be replaced with plastic.

The following items/issues need to be addressed:

■ Unsecured controlled substances (ketamine out on cart).

■ Knives should be in drawer/bin.

■ Light fixtures need cleaning. Light out. Need to hang cleaning utensils. PPE staging area: remove wooden items. Need to clean and organize PPE bins. Make hearing protection available.

■ Hay stored on floor.

■ Extension cord on floor. Room is cluttered and needs cleaning.

■ Need vermin trap. Thermostat coming off west wall.

■ Need vermin trap. Need to sweep floor (feces in corner).

■ Outlet cover needed. Room needs cleaning. Remove chair (from conference room).

■ Outlet cover needed.

■ Outlet cover needed.

■ Remove expired [REDACTED] protocols.

■ Need a vermin trap. Need to secure hanging light cover.

■ Need to clean carcass refrigerator (blood in bottom). Paint is bubbling off of wall and ceiling in SW corner of back room.

■ Vermin trap has a solid top.

■ Expired Acucheck chlorine strips. Medaka fish need a cage card.

■ Need to hang broom.

■ Tubes in refrigerator are not clearly labeled. Lab supplies in back of room should be stored in plastic boxes or clear plastic bags (not red biohazard bags).

█ Remove old surgical records.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in the facility.

█
During the inspection, the air turnover and air pressure throughout the facility was appropriate. **The following items/issues were addressed since the last inspection:**

There were none.

The following items/issues need to be addressed:

█ are cluttered and need cleaning.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in this facility.

█
During the inspection, the air turnover and air pressure throughout the facility was appropriate. **The following items/issues have been addressed since the last inspection:**

█ Need to scrape and paint room.

█ Need to scrape and paint room. Need to review sanitation schedule.

█ Need to hang clock on wall.

█ Replace vinyl chair.

█ Scrape and paint on the left near the door.

The following items/issues need to be addressed:

█ Rehang exhaust duct cover.

Need to clean and organize PI storage items (box has paper towels and mouse feces).

Unsecured and expired controlled substances. Two unlabeled conical tubes with liquids.

Morris water maze appears to need cleaning.

Grip strength or latency to fall test grate is rusty and needs to be replaced. Storage box is dirty and needs to be cleaned/organized.

Dirty airlock is needs cleaning/mopping. Solid top vermin trap.

Replace broken Pyrex container with plastic.

Need to remove old surgical records.

Albino mice on top shelf. Mice on 17-135 should not be housed in .

Behavior testing equipment is dirty. staff should check room weekly to stock PPE, disinfectant, paper towels, check hand soap, wipe down counters, sweep/mop floor (general room maintenance).

Single housing cards on rat cages not completed (need reason for single housing).

Door lock broken.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in this facility.

During the inspection, the air pressure in the rooms was negative to the corridor system and the air turnover appeared to be adequate within the facility for the number of animals being maintained. **The following items/issues have been addressed since the last inspection:**

Need to discard rat box bottom and cage top that are in the hood.

Need to clean or remove dirty glass jars. Remove sharps red box.

Leaky faucet needs to be repaired. Upon repair, sink should be descaled with CLR.

█ Remove expired Baytril.

█ Need to replace cage wash door and window gaskets.

█ Remove slide boxes from room. Clean and change labels on all bottles dated 2014.

█ Need to clean sink.

The following items/issues need to be addressed:

█ Powder food needs expiration date.

█ Need to remove expired betadine.

█ Need to provide documentation for when guillotine was sharpened.

█ Room is cluttered. Charcoal canister not weighed.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in this facility.

████████████████████

During the inspection, the air pressure in the rooms was negative to the corridor system and air turnover appeared to be adequate within the facility for the number of animals being maintained. **The following items/issues have been addressed since the previous inspection:**

█ Exposed electrical wires should be covered in ceiling electric box.

The following items/issues need to be addressed:

█ Need to secure light fixture cover.

█ Unlabeled spray bottle.

█ Mold by and on taped vent/access panel cover.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in this facility.

[REDACTED]

[REDACTED] **The following items/issues have been addressed since the previous inspection:**

The facility was inactive at the time of inspection.

The following items/issues need to be addressed:

There were none.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in this facility.

[REDACTED]

During the inspection, the air pressure in the rooms was negative to the corridor system and the air turnover appeared to be adequate within the facility for the number of animals being maintained. **The following items/issues have been addressed since the last inspection:**

[REDACTED] Need to clean odorant chambers.

[REDACTED] Need to clean behavior equipment.

[REDACTED] Replace cardboard boxes with plastic for storage of items. Remove extraneous shelving from the room. Need black-out paper for window on door. Need to validate cleaning procedure for shuttle boxes.

The following items/issues should be addressed:

[REDACTED] PPE stored in lockers.

[REDACTED] Room temp >70 degrees F.

[REDACTED] Light cover needs to be cleaned.

[REDACTED] Need to caulk around outlet.

[REDACTED] Hole in ceiling near northwest corner.

█████ Fabric cover for transporting rat cages (need to determine cleaning method and schedule).

█████ Cleaning method for behavioral testing equipment needs to be laminated.

█████ Carcass freezer needs cleaning.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in this facility.

████████████████████

During the inspection, the air pressure in the rooms was negative and the air turnover in the facility appeared to be adequate. **The following items/issues were addressed since the last inspection.**

██████████ Need to replace chair.

█████ Anesthesia machine needs appropriate nose cone system. Label exhaust ducts at ventilated work station to indicate open vs closed position. Need to verify certification status for ductless fume hood.

The following items/issues need to be addressed:

█████ Carcasses in white carryout boxes. Some carcass bags not labeled with PI name.

█████ Paper on outside of behavior testing boxes needs to be laminated. PI appears to be performing novel object recognition and social recognition tests.

█████ Humidifier top and filter need to be cleaned.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in this facility.

████████████████████

█████ During the inspection, the air pressure in the room was negative to the laboratory and the air turnover appeared to be adequate for the number of animals being maintained. **The following items/issues have been addressed since the last inspection:**

There were none.

The following items/issues should be addressed:

Need to hang cleaning utensils.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in this facility.

[REDACTED]

[REDACTED] During the inspection, the air pressure in the rooms was negative to the corridor system and the air turnover appeared to be adequate within the facility for the number of animals being maintained. **The following items/issues have been addressed since the last inspection:**

There were none.

The following items/issues should be addressed:

There were none.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in this facility.

[REDACTED]

[REDACTED] During the inspection, the air pressure in the facility was negative to the corridor and the air turnover appeared to be adequate for the number of animals being maintained. **The following items/issues have been addressed since the last inspection:**

There were none.

The following items/issues need to be addressed:

There were none.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in this facility.

██████████ The following items/issues have been addressed since the previous inspection:

Need to update facility logs: Daily check for larval incubator and weekly/monthly tasks for facility.

The following items/issues should be addressed:

There were none.

The facility is in compliance with the recommended standards set forth in the *Guide*.

The Committee recognizes the Department's ongoing efforts to comply with the spirit of the *Guide* in providing optimal care for the animals in this facility.

██████████ The following items/issues have been addressed since the previous inspection:

There were none.

The following items/issues should be addressed:

There were none

██████████ The following items/issues have been addressed since the previous inspection:

There were none.

The following items/issues should be addressed:

There were none

██████████

██████████ The following items/issues have been addressed since the previous inspection:

There were none.

The following items/issues should be addressed:

There were none.

██████████ The following items/issues have been addressed since the previous inspection:

Need to confirm/verify individual(s) serving as point of contact for the study area. Need to sweep and mop floors. Wipe down counters and sink. Remove broken glass from counter. Hood needs to be certified. Need to restock PPE. Remove cages that are on floor. Styrofoam dissection boards and needles need to be removed (██████████). Unlabeled bottles in drawer (██████████). Controlled substances (ketamine) stored in unsecured drawer (██████████). Laser device is present in room and it is not clear if room is authorized for this purpose as ██████████ required signage is not present.

The following items/issues should be addressed:

There were none.

██████████ The following items/issues have been addressed since the previous inspection:

There were none.

The following items/issues should be addressed:

Wooden stick and board should be sealed or removed. Remove wooden clipboard.

██████████ The following items/issues have been addressed since the previous inspection:

There were none.

The following items/issues should be addressed:

There were none.

██████████ The following items/issues have been addressed since the previous inspection:

Remove expired isoflurane. Remove boxes from top of fume hood.

The following items/issues need to be addressed:

There were none.

██████████ The following items/issues have been addressed since the previous inspection:

There were none.

The following items/issues need to be addressed

Need to certify hood. Piglet holder needs to be sealed.

██████████ The following items/issues have been addressed addressed since the previous inspection:

There were none.

The following items/issues need to be addressed

Need to provide the date of last guillotine sharpening.

██████████ The following items/issues have been addressed since the previous inspection:

There were none.

The following items/issues need to be addressed

Unsecured controlled substance (Ketamine).

Performance Sites and Transportation Vehicles

██████████ The following items/issues have been addressed since the previous inspection:

Remove expired eye ointment and betadine. Discard full sharps container. Remove soiled aluminum-covered dissection pad in the lab fume hood. Recommend that PI consider using dissection board of sanitizable material and tape (as opposed to needles/pins).

The following items/issues need to be addressed

There were none.

████████████████████ The following items/issues have been addressed since the previous inspection:

There were none.

The following items/issues need to be addressed

Need to remove expired controlled substances (Nembutal and Fentanyl).

[REDACTED] The following items/issues have been addressed since the previous inspection:

The back door [REDACTED] needs repair.

The following items/issues need to be addressed

There were none

[REDACTED] The following items/issues were noted but not addressed since the previous inspection:

There were none.

The following items/issues need to be addressed

There were none.

[REDACTED] The following items/issues were addressed since the previous inspection:

There were none.

The following items/issues need to be addressed

There were none.

The following PI laboratories were visited as part of the post-approval monitoring program.

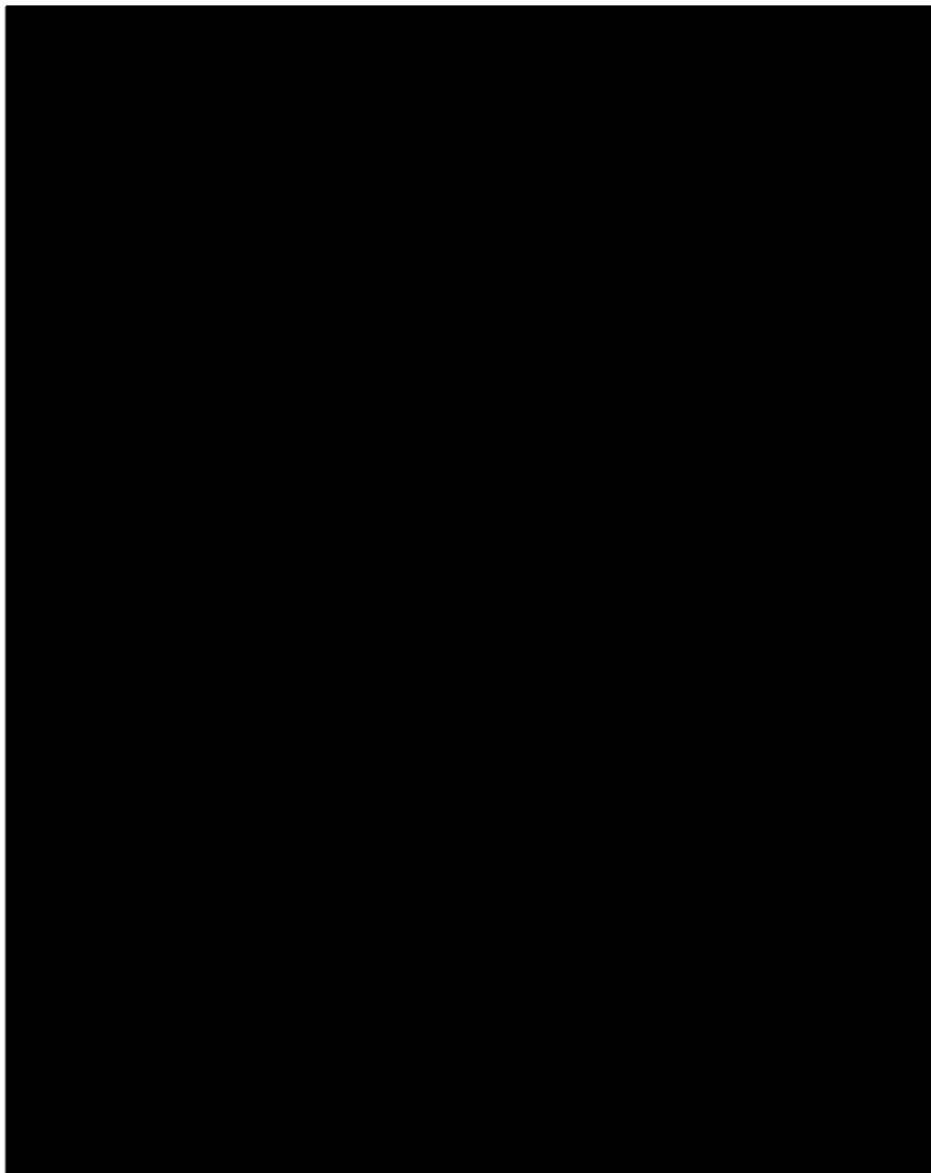
For information

RELE

Members of the Full Animal Care Committee reviewed the documents on May 21, 2019 and recommends that the Animal Care Committee endorse the report as submitted. There were no major deficiencies observed in any animal facility as determined by the Guide or the Animal Welfare Standards during this inspection. There are on-going maintenance and renovation items within the facilities, but they have been recognized and efforts to have them addressed are being made within the existing system for supporting the animal housing facilities on the campus

I have reviewed the attached report of the Facilities Subcommittee detailing the inspection of UIC Animal Facilities that took place April 2,4 and 5, 2019 and understand that I have the right to file a minority report should I not agree with their findings.

5/21/2019



Semiannual Facility Inspection/Program Review
Summary of Deficiencies and Corrective Action
May 21, 2019

Facility	Room	Deficiency	Minor	Significant	Corrective Action	Date of Completion	Responsible Unit or Personnel
		Animal care staff eligibility and respiratory protection usage needs to be evaluated for work conducted in hazard rooms.	X		Responsible parties will review the current program including what employees are eligible to work in hazard rooms as well as respiratory protection requirements for those assigned to work in the hazard rooms.	7/1/2019	
		Need to review pre-employment requirements and annual assessments of ACTs with [REDACTED] to ensure that testing and immunization of employees is being conducted in a consistent manner.	X		The responsible parties will meet with [REDACTED] to review current on-boarding procedures and annual assessments.	7/1/2019	
		Unsecured controlled substances (ketamine out on cart).	X		Controlled substances should be secured.	Completed prior to preparation of action plan	
		Knives are stored behind door placard.	X		Knives should be stored in drawer/bin.	7/1/2019	
		Light fixtures need cleaning. Cleaning utensils need to be hung.	X		Clean light cover. Install hooks on fronts of doors.	7/1/2019	
		PPE bins are dirty/cluttered. No hearing protection available. Raw wood items in PPE area.	X		Need to clean/organize PPE bins. Need to stock hearing protection. Remove raw wood items.	6/15/2019	

Semiannual Facility Inspection/Program Review
Summary of Deficiencies and Corrective Action
May 21, 2019

				Completed prior to preparation of action plan
Hay stored on floor.	X		Need to store hay in bin (off of floor).	
Thermostat coming off of wall.	X		Secure rheostat.	7/1/2019
No vermin trap.	X		Need a vermin trap in room.	6/15/2019
No vermin trap. Floor needs sweeping/cleaning.	X		Need to place a vermin trap in room. Review room cleaning/sanitation schedule.	6/15/2019
Room is dirty. Chair in room cannot be sanitized due to condition (stuffing exposed).	X		Review room cleaning/sanitation schedule. Remove chair from conference room.	6/15/2019
Outlet cover missing.	X		Install outlet cover.	7/1/2019
Unlabeled Gilbco bottle.	X		Bottle was discarded prior to writing of action plan.	Completed prior to preparation of action plan
Expired protocols in lab.	X		Need to remove expired protocols from room.	7/1/2019
No vermin trap.	X		Need to place vermin trap in room.	6/15/2019
Light cover is hanging.	X		Need to secure light cover.	6/15/2018

Semiannual Facility Inspection/Program Review
Summary of Deficiencies and Corrective Action
May 21, 2019

Blood on bottom of carcass refrigerator.	X		Need to clean carcass refrigerator (blood in bottom).	6/15/2019
Solid top vermin trap.	X		Need to place a vermin trap with a view window in room.	6/15/2019
Expired Acu Check strips.	X		Need to replace expired Acu Check chlorine strips.	6/15/2019
Broom on floor.	X		Need to install hooks so cleaning utensils can be hung.	7/1/2019
Labeling on tubes in refrigerator is illegible. Biohazard bags should not be used for storage of clean items.	X		Need to label tubes legibly. PI needs to obtain plastic boxes for storage of clean lab supplies.	7/1/2019
Old surgical records in binder.	X		Remove old surgical records.	7/1/2019
Exhaust duct cover hanging.	X		Need to secure exhaust duct cover.	7/1/2019
Unsecured and expired controlled substances. Conical tubes with liquids are unlabeled.	X		Need to remove and discard controlled substances. Conical tubes need proper labeling.	6/15/2019
Morris water maze appears to need cleaning.	X		PI needs to make available the sanitation method and schedule for MWM. This information should be posted on the door.	6/15/2019
Grip strength test grate is rusty. PI supply box is cluttered/dirty.	X		Need to discard/replace grip strength test equipment. Need to clean/organize supply box.	7/1/2019
Airlock appears dirty.	X		Need to review sanitation method/schedule and establish who is responsible.	7/1/2019
Vermin trap has a solid top.	X		Need a vermin trap with a view window.	6/15/2019
Pyrex (broken) container is being used for storage of lab supplies.	X		Replace broken pyrex container with a plastic box for storage of lab supplies.	7/1/2019

Semiannual Facility Inspection/Program Review
Summary of Deficiencies and Corrective Action
May 21, 2019

Old surgical records in binder.	X		PI should remove old surgical records from facility.	7/1/2019
Albino mice on top shelf.	X		Relocate albino mice from top shelf	6/15/2019
Behavior testing equipment is needs cleaning.	X		Lab personnel should follow the cleaning procedure that is posted on the wall for behavior testing equipment.	6/15/2019
No cleaning supplies or PPE stocked in room.	X		Staff should check the procedure room once/week to stock PPE, disinfectant, paper towels, hand soap, wipe down counters, sweep/mop floor (general room maintenance) and post a log to verify this is done.	7/1/2019
Single Housing cards not completed.	X		Need to complete Single Housing cards (Need to indicate reason why animals are singly housed).	7/1/2019
No expiration date on powdered food.	X		Need to label powdered food with an expiration date.	7/1/2019
Expired betadine.	X		Remove expired betadine.	Removed at the time of the inspection
Guillotine not labeled with sharpening date.	X		PI needs to indicate when guillotine was sharpened.	7/1/2019
Room is cluttered. Charcoal canister is not being weighed.	X		Need to organize/clean room. Weigh charcoal canister.	7/1/2019
Eye ointment expired.	X		Need to remove expired eye ointment.	Removed at the time of the inspection
Light cover is hanging.	X		Need to secure light cover.	7/1/2019
Unlabeled spray bottle.	X		Need to label spray bottle.	7/1/2019

Semiannual Facility Inspection/Program Review
Summary of Deficiencies and Corrective Action
May 21, 2019

Mold by and on taped vent/access panel cover.	X		Need to clean around vent and replace vent cover.	7/1/2019
Carcasses in white carry out boxes. Some carcass bags not labeled with PI name.	X		Need to send investigators an email reminder of proper procedure to bag and label carcasses for disposal. Update signage to indicate that carcasses should be in plastic bags.	7/1/2019
Paper on outside of behavior testing chambers.	X		Need to laminate paper that is used to cover outside of behavior testing chambers.	8/1/2019
Humidifier top and filter are dirty.	X		Need to clean humidifier top and filter.	7/1/2019
PPE is stored in lockers	X		Need to inform research staff that PPE should be discarded after use.	7/1/2019
Feed room temp not <70 degrees F.	X		Submit a work order to set feed room temp at 65 degrees F.	7/1/2019
Light cover is dirty.	X		Need to put in a work order for Lampers to clean light cover.	7/1/2019
Gaps around light cover	X		Need to caulk around light cover.	7/1/2019
Hole in NW corner of ceiling.	X		Submit a work order to replace ceiling tile due to hole.	7/1/2019
Fabric drapes are used to cover rat cages.	X		Need to determine a cleaning and method and schedule.	7/1/2019
Cleaning method sign is not laminated.	X		Need to laminate cleaning method sign.	7/1/2019
Blood in bottom of carcass freezer.	X		Need to clean blood from bottom of carcass freezer.	7/1/2019
Labs cluttered and need cleaning.	X		ACC should contact [REDACTED] to inspect lab.	7/1/2019
Cleaning utensils need to be hanged.	X		Need to ensure equipment is available so cleaning utensils can be hanged.	7/1/2019
Wooden items in lab.	X		Remove or seal wooden stick and board. Remove wooden clipboard.	7/1/2019

Semiannual Facility Inspection/Program Review
Summary of Deficiencies and Corrective Action
May 21, 2019

	Hood is due for certification. Piglet holder is wooden.	X		Need to certify hood. Need to seal wooden piglet holder.	7/1/2019	
	Need to sharpen guillotine.	X		Need to provide the date of last sharpening for guillotine.	7/1/2019	
	Unsecured controlled substances in lab.	X		Need to keep controlled substances in designated locked drawer/cabinet when not in use.	7/1/2019	
	Expired controlled substances.	X		Need to discard expired controlled substances (nembutal and fentanyl).	7/1/2019	

ROOM #	DEFICIENCY
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	Watch floors.
	Watch floor. Light out. Diffuser needs to be cleaned.
	OK

	Peeling paint on ceiling by light. Light is out.
	OK
	OK
	OK
	OK
	OK
	Unsecured controlled substance (ketamine out on cart).
	OK
	Knives should be in a drawer/bin.
	OK
	Light fixtures need cleaning. Light out. Utensils need to be hanged. In PPE staging area: raw wood items need to be removed. PPE bins need cleaning and organizing. Need to make hearing protection available.
	OK
	OK
	Hay stored on floor.

	OK
	OK
	Room is cluttered and needs cleaning.
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	Need vermin trap. Thermostat coming off west wall.
	Need vermin trap. Need to sweep floor (feces in corner)
	OK

	Outlet cover needed. Room needs cleaning. Remove chair (from conference room).
	Outlet cover needed.
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	Electrical outlet cover missing
	Peeling paint S. wall
	OK
	OK

	OK
	OK
	OK
	OK
	Peeling paint: outer door, ceiling in back
	Paint back of room (peeling on S wall)
	OK
	OK
	Leaking faucet.
	OK
	OK
	OK
	OK
	OK
	Remove expired [REDACTED] protocols.

	Need a vermin trap.
	Paint floor. Light cover hanging. Need to secure.
	OK
	OK
	OK
	OK
	Paint chips around floor/wall junction.
	OK
	Paint peeling in SW corner in back room. Need to paint. Need to clean carcass refrigerator (blood in bottom)
	OK
	OK
	OK
	OK
	OK
	OK

	Vermin trap has a solid top. Large crack in floor near west wall.
	OK
	Expired Acu check chlorine strips (still). Zebrafish need cage card.
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	Need to hang broom.

	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	Need to keep room locked (NMR)
	Tubes in refrigerator are not clearly labeled. Items in back of room are stored in biohazard bags and should be replaced with clear plastic bags or plastic boxes.
	OK
	OK
	OK
	OK

	OK
	OK
	OK
	Front room north wall (west side) peeling paint.
	Remove old surgical records
	OK
	OK
	Small area of peeling paint on ceiling
	Peeling paint, back of room
	OK
	OK
	OK
	OK

	OK
	OK
	OK
	OK
	OK
	OK
	1 light out.
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK

	OK
	OK
	1 light out.
	OK
	OK
	OK
	OK
	OK
	1 light out.
	OK
	OK
	OK
	OK
	OK
	OK

	OK
	OK
	OK
	OK
	OK
	OK
	Re-hang exhaust duct cover(still)
	OK
	OK
	OK
	1 light out.
	Remove box with paper towel and feces. Need to clean and organize storage area.
	Unsecured and expired controlled substances. 2 unlabeled conical tubes with liquids.

	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	Morris water maze appears to need cleaning.
	OK
	OK
	OK
	OK

		Grip strength or latency to fall test grate is rusty and needs to be replaced. Storage box is dirty and needs to be cleaned/organized.
		Need to scrape and paint.
		OK
		OK
		OK
		Need to scrape and paint. Review sanitation schedule (still). Solid top trap.
		OK
		OK
		OK
		Replace broken pyrex container with plastic.
		Scrape and paint near door left.
		OK

	Remove old surgical records.
	Albino mice on top shelf. Mice on 17-135 should not be in
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	Leaky faucet
	Peeling paint
	Leaky faucet

	OK
	OK
	Behavior testing equipment is dirty. [REDACTED] staff should check room 1x/week to stock PPE, disinfectant, paper towels, check hand soap, wipe down counters, sweep/mop floor (General room maintenance).
	OK
	OK
	Light out. Peeling paint.
	Single housing cards on cages not completed (need reason for single housing).
	OK
	OK
	OK
	OK
	OK
	Door lock broken

[illegible]

[illegible]

	OK
	OK
	OK
	OK
	Cluttered. Charcoal canister not weighed.
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK

	Expired eye ointment removed
	OK
	OK
	OK
	OK
	Light cover falling down
	OK
	OK
	Unlabeled spray bottle
	OK
	Mold by and on taped vent/access panel cover.
	OK
	OK
	OK

	OK
	OK
	OK
	OK
	OK
	OK
	Carcasses in white carry out boxes. Some carcass bags not labeled with PI name. Cabinet door on west wall needs to be painted (discolored from leak).
	OK
	OK
	Paper on outside of behavior testing boxes needs to be laminated. PI appears to be performing novel object recognition and social recognition tests.
	OK
	Need to replace room placard
	OK

	OK
	OK
	Need to replace room placard. Humidifier top and filter need to be cleaned
	OK
	OK
	OK
	OK
	OK
	OK
	Wall in outer corridor damaged. and needs to be repaired/painted. Need to consider bumper guards to prevent further damage from bulk trucks. In entryway, PPE stored in lockers.
	Room temp >70

	Light cover needs to be cleaned.
	Paint on wall behind autoclave and on south wall near SE corner is cracked and lifting away from wall.
	small amounts of cracks in seams of paint around door frame.
	Need to caulk around outlet.
	Hole in ceiling near northwest corner. North side floor where floor and wall meet the floor is cracking and starting to peel.
	OK
	OK
	OK
	Cracks in paint on SW
	OK
	OK
	OK
	OK
	OK

	Fabric covers for cages. Need to determine a cleaning method and schedule.
	Crack in paint in SE corner
	2 small chips in paint from racks
	OK
	OK
	Cleaning method signs should be laminated
	OK
	Necropsy freezer needs cleaning
	OK
	OK
	Peeling paint on ceiling
	OK
	OK
	OK
	OK

	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK
	OK

	Need to hang cleaning utensils
	OK
	OK
	OK
	OK
	OK
	OK
	Wooden stick and board should be sealed or removed. Remove wooden clipboard.
	OK
	OK
	OK
	OK

[illegible]