

Memorandum to: David M. Anderson
From: Institutional Animal Care and Use Committee
Subject: Semiannual Report of the Program Review and Facility Inspection
Date: 30 June 2019

This report summarizes results of the IACUC's 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).

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.](#)):

In the past six months, one new member joined the IACUC and one left the committee. The new Life Sciences Building (LSB) opened and while some lab spaces are authorized for animal use, the LSB vivarium has yet to house animals (except for a minimal number of zebrafish for proving the bio-filter system). The Harborview Research and Teaching building (HRT) was closed following a radioactive material spill; all animals were safe and have been relocated. No date has been set for re-occupying the building. The triennial AAALAC site visit occurred 31 May - 8 June 2019.

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

All animal care and use at the University of Washington adheres to PHS Policy, the Guide, and the AWA, as described in our Assurance. Within that framework, the IACUC has approved the following departures from PHS Policy, the AWA and the Guide:

- 43 protocols with prolonged restraint (bats, birds, zebrafish, mice, pigs, non-human primates)
- 2 protocols with housing at non-standard temperatures (mice, zebrafish)
- 1 general cage height variance for infant non-human primates
- 1 general cage floor-area variance for juvenile non-human primates
- 1 general exception for placing NHP feed on compound floors

Details are included in [Appendix C](#).

While not departures, the IACUC has also approved the following exceptions to its policies that implement PHS Policy, the AWA and the Guide:

- 9 protocols with cage size variances (7 for mice, 2 for chicks)
- 10 protocols with wire bottom cages (all mice)
- 42 protocols with multiple major surgeries (7 species)
- 2 protocols with a non-AVMA endorsed euthanasia method (1 small birds, 1 frogs)
- 47 protocols with weaning variances (45 mice, 2 rats)
- 15 protocols with other policy variances (12 mice, 2 rats, 1 pigs)

Details of these can be reviewed via reports in HoverBoard.

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

Animal Care and Use Program Review Date(s): January - June 2019

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

Over the past six months, 17 adverse events or non-compliances were reported to the IACUC and, as required, to OLAW, AAALAC, or USDA. See [Appendix A](#) for details.

The AAALAC site visitors performed a thorough review of the overall program. Twelve items were identified for improvement:

1. Rack washer and autoclave safety measures: Lock-out pins, cable releases and second exit door have been installed or renewed, or are on order.
2. Anesthesia monitoring during recovery: Talked with the specific PI and clarified the protocol. Reminder sent in the OAW newsletter. Will be emphasized in training.
3. MS222 Handling Safety: EH&S will directly contact all MS-222 users with a reminder. Guidance, SOPs and training are being reviewed for clarity and emphasis.
4. IACUC Oversight of Cephalopods: Meeting held with relevant researchers. An IACUC subcommittee, with ad hoc experts, will develop recommendations for IACUC oversight.
5. Animal Transportation in solid top caging: The specific lab group has been retrained. Reminder sent to all researchers about appropriate transport. Will be emphasized in training.
6. Tracking of Expired Substances: DCM and WaNPRC will work towards consistent use of inventory managements systems to make it easy to spot expiring substances.
7. Feed provided on floor in primate area: The IACUC has formally approved the practice in NHP compounds, in order to minimize contamination and ensure access to food and foraging opportunities for all animals.
8. Feed storage areas where temperatures may exceed 70°F: At Brotman, feed storage has been moved to a different room with better temperature control, and supervisors retrained on responding if temperatures exceed 70F. At ABC, a larger air conditioning unit has been installed and temperatures are holding below 70F.
9. Cage bedding change interval: DCM has gathered data on cage soiling and the corresponding ammonia level. DCM management is developing a training for animal technicians regarding when to spot-change based on the level of caging soiling.
10. Assessing effectiveness of sanitation of manually cleaned behavioral equipment: UW continues to refine our method of verifying sanitation of hand washed behavioral equipment. Working towards an IACUC-approved program for all spaces.
11. HVAC Monitoring: OAW, DCM and WaNPRC will do a lessons learned to ensure that HVAC data is gathered, recorded, analyzed and adjusted as needed in a timely and more meaningful way to maintain appropriate directional air flows and room air changes per hour. Personnel will be reminded to report noticeable odors and changes in directional air flow. The Aircurity system will be re-assessed to determine if minimum air changes in particular rooms need to be adjusted.
12. Inclusion of a whistle blower or no retaliation policy as part of information on Reporting of Animal Welfare Concerns: Added "UW policy and Washington State law protect employees from reprisal or retaliatory action for reporting concerns" on the reporting concerns public webpage and the links to it.

III. Deficiencies in the Institution's Animal Facility

Animal Facility Inspection Date(s): January - June 2019

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

Over the past six months 363 deficiencies were identified during IACUC facility inspections or self-reported; all were considered minor. Counts by type are shown below.

TYPE	minor	TYPE	minor
Facility and furnishings	83	Signage and information	30
Equipment	50	Supplies	16
Personnel Precautions	47	Environment	13
Sanitation	36	Feed	12
Husbandry	33	Research Chemicals	9
Drugs	31	Protocol and procedures	3

338 have been resolved while 25 are pending corrective action. There are also 4 deficiencies from previous periods pending completion of corrective action. See [Appendix B](#) for deficiency details.

IV. Minority Views

Select A or B:

A. No minority views were submitted or expressed.

B. The following minority views were expressed:

V. Status of AAALAC Accreditation

Reference Assurance: #000523

Most Recent AAALAC Site Visit: 05/31/2019 through 06/07/2019 – determination expected September 2019

Most Recent Full Accreditation issued: 03/22/2016

VI. **Signatures** ([see attached emails](#))

Names of IACUC Members	Signatures
A.B. (Andrew)	See attached concurrence letter
A.S. (Aubrey)	See attached concurrence letter
C.G. (Chris)	See attached concurrence letter
C.H. (Charlotte)	See attached concurrence letter
F.R.R. (Ric)	See attached concurrence letter
J.B. (Jacqui)	
J.E (Jane)	See attached concurrence letter
J.M. (Jeanot)	See attached concurrence letter
J.P.V.H. (Preston)	See attached concurrence letter
J.S. (Jane)	See attached concurrence letter
K.G. (Ken)	See attached concurrence letter
K.L. (Kristen)	
K.S. (Kim)	See attached concurrence letter
M.L. (Molly)	See attached concurrence letter
M.S. (Mei)	
S.J.H. (Sarah)	
S.L. (Steve)	See attached concurrence letter
S.R.H. (Scott)	See attached concurrence letter
T.H. (Tess)	See attached concurrence letter

Appendix A Deficiencies in the Institution’s Animal Care and Use Program

Severity	Repeat?	Location	Deficiency and Corrective Action Plan	State	Date Complete
Significant	no	vivarium	Water bottle flipped upside down in a germ-free GNAC isolator cage. The GNAC staff were notified of the incident and retrained.	Complete	1/17/2019
Significant	no	vivarium	A single sided mouse rack found without the automated water line attached. AT’s re-trained and must demonstrate competency on daily evaluation to ensure that hoses are properly connected.	Complete	1/17/2019
Significant	no	vivarium	NHP not fasted prior to surgery; during recovery, inhaled vomit and died. WaNPRC fasting SOP revised to include if an animal is not fasted appropriately, the research procedure will be rescheduled. Any exceptions must be approved by the Attending Veterinarian or Associate Director, Department of Primate Resources.	Complete	4/18/2019
Minor	no	lab space	Mice were dosed via a route of administration that was not listed on the protocol. Sent Letter of Acknowledgement for self-reporting.	Complete	3/26/2019
	no	vivarium	Several mortality reports where mice were found dead in a cage without food. Root cause analysis is on-going and DCM management has been re-training animal technicians on assessing food levels during daily checks.	AV and IACUC monitoring for further incidences	
Significant	no	lab space	Surgical procedures were not being performed by lab members as described in the protocol. Sent a Letter of Counsel to the PI. Clarified the protocol, acquired antibiotics, and retrained lab members.	Complete	5/16/2019
Significant	yes	vivarium	A rack in the ARCF had a disconnected water line. Another incident occurred in March in the same room but a different rack location. Implemented procedures to keep racks away from connections. Trained staff to check connections after rack movement. Looking at possible modifications to rack, waterline, or connectors.	Complete	5/13/2019

Severity	Repeat?	Location	Deficiency and Corrective Action Plan	State	Date Complete
Significant	no	vivarium	Diversion of a controlled substance. The employee involved has been terminated from employment. This drug now kept in a central safe and is not in the lock box at the individual facilities.	Complete	5/13/2019
Significant	no	zebrafish facility	Small-sized activated carbon was used to fill system filters, was not contained within the filter and was distributed throughout the recirculating system. Also, partial failure of a valve in the system. Staff that perform system maintenance have been re-trained. Plans are being made to remove/repair the valve.	Complete	4/18/2019
Significant	no	vivarium	High water pressure in automated watering system made it harder for mice to get water from their lixits. System re-balanced. DCM working with vendor on prevention.	Complete	6/5/2019
Significant	no	Building, affecting vivarium and lab space	Radioactive material spill. All animals removed from the building.	Complete	5/31/2019
Significant	no	lab space	All mice, regardless of their size, received the same volume of an anesthetic cocktail, leading to overdose in smaller animals. The group will dose by weight instead of giving one standardized volume to all mice.	Complete	7/3/2019
Significant	no	vivarium	A cage that was not fully engaged in the rack watering system. Retraining husbandry staff to ensure cages are engaged in the rack.	Complete	7/3/2019
Significant	no	vivarium	Mice had no food due to confusion about which cages were to be fed by husbandry staff, and which were to be fed by the investigative group. A clearly signed rack will be dedicated to cages that should be fed daily by the investigative group. Any cages not on this special rack will be fed daily by husbandry.	Complete	7/3/2019
Minor	no	field	Researcher inadvertently collected 4 pregnant individuals of a genus that was listed on the protocol but not for the collection of pregnant females. Sent a Letter of Acknowledgement for self-reporting. The group will prepare a field-durable, easy-to-read list of IACUC approved genera.	Complete	2/27/2019

Severity	Repeat?	Location	Deficiency and Corrective Action Plan	State	Date Complete
Minor	no	lab space	Anesthetized mice were left unattended and researcher could not be immediately found. Sent a Letter of Counsel to PI.	Pending Corrective Action	7/18/2019
Significant	no	Western Fisheries Research Center	A clog in the inflow valve led to no water inflow into a fish tank. Sent a Letter of Acknowledgement for self-reporting. Group will scrub inflow pipe and clear inflow valves and lines prior to experiments. New valves have been installed where clogs have been noted, and filters have been ordered for inflow lines.	Complete	3/26/2019

Appendix B Deficiencies in the Institution's Animal Facility

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB Laboratory Spaces - J681A	J681A: Encase all posted paper signs in plastic.	4/30/2019	3/25/2019
Minor	no	HSB Laboratory Spaces - J681A	J681A: Eyewash is not tested and logged weekly. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	4/30/2019	3/15/2019
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I553	I553: On-call schedule by the phone not posted.	4/12/2019	3/19/2019
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I727	I727: Dirty ceiling vents need cleaning.	4/26/2019	3/18/2019
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I728C	I728C, I728D: There is no booth cleaning log being kept.	4/12/2019	4/12/2019
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I726	I726: Eyewash is not being tested weekly. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	4/12/2019	3/18/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I726	I726: Expired Fluorouracil (5FU) requires hazardous chemical disposal. Please contact EH&S Chemical Waste Disposal at chmwaste@uw.edu to arrange pick up.	4/30/2019	3/15/2019
Minor	no	WaNPRC: Arizona -	Ante storage room: Secondary container for monkey chow had a lid with broken corners, so it wasn't fitting securely. Lid was replaced at time of visit.	3/8/2019	3/8/2019
Minor	no	WaNPRC: Arizona -	Treatment area: Sheets of paper on walls should be put in plastic sleeves.	4/12/2019	3/8/2019
Minor	no	WaNPRC: Arizona -	121: Small area of wall with peeling paint/masonry inside cage. Suggestion to cover with Plexiglass sheeting.	5/31/2019	5/3/2019
Minor	no	HSB Laboratory Spaces - F410	F410: Please cover drain in fume hood.	4/26/2019	3/20/2019
Minor	no	Brotman Vivarium -	P152: Cracks/chips in paint needs repainting (walls + ceiling). Rust on door hinges. Rust on procedure table. DCM to submit work order for repairs.	7/31/2019	Pending
Minor	no	Brotman Vivarium -	P153: Paint chip and cracks in wall. Clean ceiling vent. Both sinks need to be cleaned. Group to submit work order for repairs.	7/31/2019	Pending
Minor	no	Brotman Vivarium -	P153B: Paint chip on walls need repainting. Rust on floor under tanks. Sinks need to be cleaned. Group to submit work order for repairs.	5/31/2019	3/12/2019
Minor	no	Brotman Vivarium -	B25, C32, P154, P154B, P155, P164, P164B: Cracked paint on walls need repair. DCM to submit work order for repairs.	7/31/2019	Pending
Minor	no	Brotman Vivarium -	C31, C32, P154, P154B, P155, P164, P164A, P164B, P169: Cracks on floor need repair. DCM to submit work order for repairs.	7/31/2019	5/2/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Brotman Vivarium -	P154, P164B: Rust on ceiling vent. The vent needs to be cleaned or rust needs to be removed. DCM to submit work order for repair work.	7/31/2019	Pending
Minor	no	Brotman Vivarium -	A43, C31, P167A: Sprinkler heads in ceiling have exposed sheetrock at the opening. DCM to submit work order for repairs.	7/31/2019	5/29/2019
Minor	no	Brotman Vivarium -	P169: Bolt lift handles broken on cabinet. DCM to submit work order for repair.	7/31/2019	3/15/2019
Minor	no	Brotman Vivarium -	A38: Bottle of Isoflurane in unlocked cabinet and no PI name on it.	4/26/2019	4/1/2019
Minor	no	Brotman Vivarium -	B45: Three unlabeled corning bottles without expiration date or contents. Found 2-3 unlabeled 2L Corning Media bottles w/clear liquid inside and not labeled. The secondary container storing the bottles was also not labeled. No idea what the clear liquid is. Bottles and secondary containers must be labeled properly.	4/26/2019	3/4/2019
Minor	no	Brotman Vivarium -	B25, B36 (Dirty side cagewash), B46, C32: Ceiling vents need cleaning. Cobwebs in ceiling vents in B25/28 Hallways. Ceiling vent in B46 closest to hood is dusty. Sprinkler heads are dirty (throughout most of rooms in vivarium. Why were the ceiling vents in B36 closed?	7/31/2019	5/29/2019
Minor	no	Brotman Vivarium -	B47: Expired catheter exp 12/07. Please discard.	4/26/2019	3/4/2019
Minor	no	Brotman Vivarium -	B47: Rust on bolts/nut on BSC anchor. DCM to submit work order for repair work.	7/31/2019	3/28/2019
Minor	no	Brotman Vivarium -	B50: Single housed female in B6A and no Special Service Request present.	4/26/2019	4/9/2019
Minor	no	Brotman Vivarium -	C30: Exposed wiring outside door entry / card reader. DCM to submit work order for repair work.	7/31/2019	5/29/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Brotman Vivarium -	C34 (Bornfeldt): Tube not labeled with contents, but already expired 8/15/18. Three pink eppy tubes not labeled with contents or expiration date.	4/26/2019	3/26/2019
Minor	no	Brotman Vivarium -	C35: Paint chips on door. DCM to submit work order for repair work.	7/31/2019	Pending
Minor	no	Brotman Vivarium -	C35: Transport cage sitting on top of housing racks. Moved to cart/correct during site visit.	3/1/2019	3/1/2019
Minor	no	Brotman Vivarium -	C35: Portable black caging being stored on floor against wall. Need to remove/get up off floor.	4/26/2019	3/29/2019
Minor	no	Brotman Vivarium -	B25: Feed room log has start date 2/4/19. Thursday 2/28 task not marked as completed. Feed/Bedding Room Log was outdated.	4/26/2019	3/4/2019
Minor	no	Brotman Vivarium -	B36 (Dirty side cagewash): Metro shelving rack is broken and held together with packaging tape and not level. Rack needs to be repaired or replaced. DCM to submit work order for repair.	7/31/2019	3/4/2019
Minor	no	Brotman Vivarium -	B36 (Dirty side cagewash): Tunnel washer broken hinge on 1/3 of the chambers. This is an Occ Health hazard (could pinch fingers if caught). Hinge needs to be repaired. DCM to submit work order for repair.	7/31/2019	4/11/2019
Minor	no	Brotman Vivarium -	B36 (Dirty side cagewash): Exposed holes in wall behind circuit breaker for tunnel washer has brackets missing anchors. DCM to submit work order for repair.	7/31/2019	5/30/2019
Minor	no	LSB Vivarium -	Throughout LSB facility: Eyewashes need to be tested and logged weekly. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	7/31/2019	Pending

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	LSB Vivarium -	Throughout HSB facility: Replace any wooden door stopper with rubber ones.	7/31/2019	Pending
Minor	no	LSB Vivarium -	B118B (Holding), B118C (Holding), B120 (Holding), B120C (Holding), B122B (Holding), B122C (Holding), B124B (Holding), B124C (Holding), B134 (Quarantine): Covered drain in floor needs to be sealed.	7/31/2019	Pending
Minor	no	LSB Vivarium -	B114 (Procedures): Room feels cold. B120B (Holding): Room feels warm.	7/31/2019	Pending
Minor	no	WaNPRC: I-Wing Vivarium -	I045: Isoflurane vaporizer/machines on PAM unit and in the room due for service. Please post a sign stating "Do Not Use Until Calibrated."	4/26/2019	4/24/2019
Minor	no	WaNPRC: I-Wing Vivarium -	I065B: Daily Observation Chart, observations of animal health were not documented on 3/17.	4/26/2019	4/25/2019
Minor	no	WaNPRC: I-Wing Vivarium -	I089E: Weekly/monthly tasks on Procedure Room log are either not being completed or not properly documented (e.g., Aug - Oct 2018). Supervisor did note that they noticed this pattern as well, and recently changed their SOP in response to that. The new process appears to be working well. Logs for most recent months are complete.	4/26/2019	4/25/2019
Minor	no	WaNPRC: I-Wing Vivarium -	I089P: Weekly/monthly tasks on Procedure Room log are either not being completed or not properly documented (e.g., Oct - Dec 2018). Same note as in I089E, re: SOP.	4/26/2019	4/25/2019
Minor	no	WaNPRC: I-Wing Vivarium -	I089P: Contact information on the fridge is out of date. Please update.	4/26/2019	4/17/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	yes	WaNPRC: I-Wing Vivarium -	Van: Despite being cited last time and noble efforts to retrain the van log still showed that on 1/22 that the beginning temp was 51.6 and ending was 53.0. It was noted that this was a very short trip. However, on 1/29 the van went to OHSU and while the beginning temp was noted as 68.0 no other information/notations regarding temperatures or the duration of the trip were available in the log.	4/26/2019	3/29/2019
Minor	no	HSB Laboratory Spaces - K522	K522: Have Facility Services install secure wall restraints (two chains strongly recommended) for CO2 tank near fume hood. Please help Dr. Sancak coordinate with Facility Services. To submit a work order to install a wall restraint for the CO2 tank, please submit the request through the UW Facilities website.	2/28/2019	1/15/2019
Minor	no	HSB Laboratory Spaces - K522	K522: Purchase an approved gas flow meter and a dedicated induction chamber (or dedicated cage top, if animals' own cages will be used for CO2 euthanasia). Please also generate a 'cheat sheet' with information on appropriate flow level for the chamber or cage that will be used for euthanasia. Please help Dr. Sancak locate the webpages where information on gas flow meters and calculation of flow rates can be found. Information on purchasing a gas flow meter can be found on our OAWRSS website. The document is entitled CO2 Delivery Information. Attached is the CO2 flow meter settings.	2/28/2019	2/22/2019
Minor	no	HSB Laboratory Spaces - J136	J136: As discussed, ensure the microscope enclosures are constructed out of sanitizable material – not corrugated cardboard panels.	2/28/2019	1/9/2019
Minor	no	HSB Laboratory Spaces - D426	D426: Remove all tape labels from drawers.	1/31/2019	1/11/2019
Minor	no	HSB Laboratory Spaces - D426	D426: Put all posted paper in plastic sleeves.	1/31/2019	1/11/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Roosevelt Laboratory Spaces - 260	260: Room with fume hood used for mouse perfusion has no signage indicating that animal antigens may be present.	2/1/2019	1/23/2019
Minor	no	Roosevelt Laboratory Spaces - 260	260: Room is profoundly cluttered and presents a work hazard.	2/1/2019	1/30/2019
Minor	no	HSB: K-Wing Vivarium -	K007C (Russell): Baytril expired on 12/18. Marked as expired and should be disposed of.	2/15/2019	1/23/2019
Minor	no	HSB: K-Wing Vivarium -	K007 (Hallway Fridge): Special diet belonging to the Paik lab is expired. Please discard.	2/15/2019	1/24/2019
Minor	no	HSB: K-Wing Vivarium -	K015 (dirty side cagewash): Steam drain (by stainless steel counters/end of washer) presents an occupational health hazard. Technicians currently working in this space report they are bothered by the steam and have placed a mouse cage over the drain to direct the steam away from them when they are working near it. A more permanent solution appears to be needed. Possible to redirect or cover the steam drain?	5/31/2019	2/12/2019
Minor	no	HSB Laboratory Spaces - K157	Lab must develop, approve, and post a written SOP in K-157 on the process required to clean and disinfect both BSC #330 and the floors inside of K-157 after each set of terminal rodent procedures (the use of sweeping and moping with 10% bleach should be fine) are completed & before other folks have access to this space (to reduce Lab allergen exposure).	3/1/2019	1/22/2019
Minor	no	HSB Laboratory Spaces - K157	ARCF Vivarium ABSL-2 training/orientation will be required of all personnel to use this space to ensure the appropriate handling and transfer of ABSL-2 mice from the facility and the return of ABSL-2 mice carcasses and caging to the facility for disposal.	3/1/2019	1/16/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB Laboratory Spaces - K157	Work with EH&S to Update the posted ABSL-2 signage located on the outside of the door with correct verbiage and descriptions for this change in procedure room use.	3/1/2019	1/22/2019
Minor	no	HSB Laboratory Spaces - K157	Post laminated sign warning of rodent allergens being present in this room on the inside of the door. OAW to provide animal allergens sign.	3/1/2019	1/23/2019
Minor	no	HSB Laboratory Spaces - K157	Replace foil on inside of the windows with plastic sheeting from OAW, both the entry/exit door and the door to the other side of this room that non-functional. OAW to provide black window film.	3/1/2019	1/23/2019
Minor	no	HSB Laboratory Spaces - K157	Remove rusted step stool from room.	3/1/2019	1/22/2019
Minor	no	Foegen Vivarium -	N039B: recapped needles found in biohazard container. OAW to provide a recapper for room.	2/15/2019	2/15/2019
Minor	no	Foegen Vivarium -	N058: Container with huts is lacking a label with the autoclave date.	2/15/2019	2/25/2019
Minor	no	HR&T Vivarium -	SB035: Plastic box of glass vials with unknown tissues parts in a clear fluid.	2/22/2019	2/25/2019
Minor	no	HSB Laboratory Spaces - K157	We will need to clarify that the Dicheck Lab only has access to use K-157. Once it becomes approved for live rodent use any and all personnel that enter this space MUST have completed the AUMS Form and have been approved by Occupational Health, including potentially those from other labs.	3/1/2019	1/16/2019
Minor	no	HR&T Vivarium -	SB044: Lots of recapped needles. No recappers in sight. OAW to provide needle recapper.	2/22/2019	2/25/2019
Minor	no	HR&T Vivarium -	SB072: Mouse dropping in the corners of the room. There is a loose mouse!	3/1/2019	2/25/2019
Minor	no	SLU 2 Laboratory Spaces - P125B	P125B: Peeling paint on microscope base is not sanitizable. The base needs to be repainted.	2/28/2019	1/29/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HR&T Laboratory Spaces - 513	513: Isoflurane vaporizer has not been serviced since May 2017. Please label "Do Not Use Until Calibrated." Please contact Summit Anesthesia Service Corp at 1-866-805-7016 to re-calibrate the vaporizer.	3/1/2019	2/25/2019
Minor	no	HR&T Laboratory Spaces - 513	513: Expired drugs (Puralube, Hibiclens, ketoprofen) must be disposed of.	2/15/2019	1/30/2019
Minor	no	HSB: 6th Floor Vivarium - AA706	AA706: Floor and some walls above the tile are pretty beat up. Cosmetic issue no impact on animal welfare. OAW will submit a work order for the repairs.	5/31/2019	4/30/2019
Minor	no	HR&T Laboratory Spaces - 320D	320D: Silverfish present in lab space. Pest control to evaluate.	3/29/2019	3/29/2019
Minor	no	CHDD Vivarium -	076F: Dings on the corner of the door (hinge side) outside 076F, and on the wall opposite the entry door, about thigh height. OAW to submit work order.	5/31/2019	2/14/2019
Minor	no	CHDD Vivarium -	076B: Self-adhesive hook was pulled off the wall so it needs to be sealed now. OAW to submit work order.	5/31/2019	2/14/2019
Minor	no	CHDD Vivarium -	076A: Water bottles for both of these cages are very dusty and probably haven't been changed out. Several bottles on the other racks in the room are also very dusty but some are clean too.	3/1/2019	3/6/2019
Minor	no	CHDD Vivarium -	076A (Stone, Rack 1, Side A, Row 2, Cage 2): Cage card says 3 mice (5043, 5084, 5060, bd: 9/20/18) but there is only one mouse in it. This is inaccurate information on the cage card but additionally, there is a singly housed mouse. No enrichment was obvious.	3/1/2019	2/18/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB: 6th Floor Vivarium -	C609 (Palmiter): Several unlabeled fluid-filled tubes near the computer set-up on Rack 3 and in a tube holder on the table near Rack 6. Secondary containers, especially those given to animals, need to be labeled with the contents and the mix and use-by dates.	3/15/2019	2/15/2019
Minor	no	HSB: 6th Floor Vivarium -	C609 (Palmiter): Unclear if monthly rack cleaning with Clidox is performed as suggested by the log on Rack 3 because the completion dates are not legible. Monthly tasks need to be performed on schedule and recorded legibly.	3/15/2019	2/15/2019
Minor	no	HSB: 6th Floor Vivarium -	C609 (Palmiter): Several spray bottles (presumably containing EtOH, though one on the table near Rack 10 was completely unlabeled) have no or illegible dates. Make sure all bottles are labeled with contents and mix and use-by dates.	3/15/2019	2/15/2019
Minor	no	Roosevelt Laboratory Spaces - 260	260: Signage on the room shows biohazard, but the specific hazards are not listed.	2/1/2019	1/22/2019
Minor	no	HSB: K-Wing Vivarium - K017D	K017D (Xia): Povidone-iodide swabsticks are expired. Please discard.	2/15/2019	1/23/2019
Minor	no	HSB: 6th Floor Vivarium -	C621 (Palmiter): Chairs at both surgical stations have compromised exteriors where the outer covering is worn away to reveal the foam underneath. These surfaces are not sanitizable, and the chairs should be removed or replaced prior to the next surgical session.	3/15/2019	2/19/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB: 6th Floor Vivarium -	C621 (Palmiter): Dates on the isoflurane charcoal canister (1/26/19) and the Clidox bottle (1/28/19) indicate that the room has been used recently, but the duties listed on the care log are not being recorded. Procedure room tasks need to be performed on schedule and recorded in the log.	3/15/2019	2/15/2019
Minor	no	HSB: 6th Floor Vivarium -	C613: Low temperature around 64 degrees. Room has been getting progressively colder all week. Room temperature needs to be adjusted.	3/29/2019	3/27/2019
Minor	no	HSB: 6th Floor Vivarium -	C618 (Palmiter): Rack 3, there are no entries for changing cage tops. Across from Rack 3 are two log sheets (one for wiping shelves, one for monthly tasks) that have not been filled out since June.	3/15/2019	2/15/2019
Minor	no	HSB: 6th Floor Vivarium -	G607 (rat room): Computer monitor lights are interrupting the dark cycle in this reversed light cycle room.	3/15/2019	3/15/2019
Minor	no	HSB: 6th Floor Vivarium -	G612A (mouse dark room): No dates included on daily check sheet.	3/15/2019	3/27/2019
Minor	no	HSB: 6th Floor Vivarium -	G615: Monthly BSC log last updated 11/15/18.	3/15/2019	3/27/2019
Minor	no	HSB: 6th Floor Vivarium -	G616 (chick housing): Food in "isolator cage" area does not have an expiration date. (Probably best not to have food in here when not in use?)	3/15/2019	3/27/2019
Minor	no	HSB: 6th Floor Vivarium -	G617 (procedure room): Bottle with illegible label (possibly 70% ethanol).	3/15/2019	3/27/2019
Minor	no	HSB: 6th Floor Vivarium -	G617 (procedure room) (Liu): Isoflurane vaporizer overdue for servicing (due 5/18), only a deficiency if it has been in use since then, otherwise should be labeled that it must be serviced before use.	3/29/2019	3/5/2019
Minor	no	HSB: 6th Floor Vivarium -	G619: 50 ml conical vials not labeled with contents/expiration date. Likely sucrose pellets.	3/15/2019	3/27/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB: 6th Floor Vivarium -	H608 (procedure room): Sharps container contains a capped sharp, but no re-capper seen in room.	3/15/2019	3/27/2019
Minor	no	HSB: K-Wing Vivarium -	K017B (Weinstein): Multiple conical tubes were not properly labeled. Please be sure all secondary containers are labeled with the name of the substance, date prepared and expiration date.	2/15/2019	2/2/2018
Minor	no	HSB: K-Wing Vivarium -	K017B (Weinstein): A number of expired drugs, sutures, etc. were identified. These items were either disposed of during the visit or, for items that could be used for perfusions, were labeled to clearly indicate that they were for terminal procedures only.	1/9/2019	1/9/2019
Minor	no	HSB: K-Wing Vivarium -	K017B (Weinstein): There were several large storage bins containing a variety of research material. Due to time these bins were not inspected. Please have the group go through these and remove any expired items.	2/15/2019	2/2/2018
Minor	no	HSB Laboratory Spaces - K157	Broom must be hung from wall and cannot be stored on floor. It was located on the left side of BSC #330. Remove CO2 tubing from top of BSC #330.	3/1/2019	1/22/2019
Minor	no	Foegen Vivarium -	N043: Two food pellets found on floor.	2/15/2019	2/15/2019
Minor	no	Foegen Vivarium -	N058: Container of huts has an out-of-date autoclave label (11/7).	2/15/2019	2/25/2019
Minor	no	Foegen Vivarium -	N068 (Dhaka): Drawer contained expired betadine scrub. It was discarded at the time of the visit.	1/11/2019	1/11/2019
Minor	yes	WaNPRC: I-Wing Vivarium -	I089D (necropsy): Faucet in left-hand sink does not turn off completely, so small stream of water runs constantly. Also, not clear how to turn this faucet on or off. Fix to stop the water flow. OAW to submit work order to Facilities Services.	4/30/2019	3/6/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB: T-Wing Vivarium -	T129 (Hofstetter): Isoflurane vaporizer past due for service – last service in 2017. Needs sign “Do not use until re-calibrated”.	3/29/2019	3/28/2019
Minor	no	HSB: T-Wing Vivarium -	T129: Expired eye ointment – discarded during inspection.	2/13/2019	2/13/2019
Minor	no	HSB: T-Wing Vivarium -	T129: One O2 tank without a second chain securing it to the wall.	4/12/2019	3/27/2019
Minor	no	HSB: T-Wing Vivarium -	T115: Very low lighting in the room – Facility Supervisor has work order in to get bulbs replaced.	3/29/2019	3/6/2019
Minor	no	HSB: T-Wing Vivarium -	Autoclave safety sign needs updated and should probably place the sign directly above the autoclave door it’s easier to see it.	3/15/2019	3/6/2019
Minor	no	SLU 3.2 Laboratory Spaces - F762	Lab needs to update their autoclave log. Last entry was in 12/2018.	3/15/2019	2/28/2019
Minor	no	HR&T Laboratory Spaces - 327	327: Expired drugs marked to be discarded during the visit.	2/20/2019	2/20/2019
Minor	no	Benjamin Hall - 366	366: Drug records in lock box not correct. There was an empty bottle and a partially-used bottle of isoflurane, but the log book showed all isoflurane had been used. We recommended the group mark each bottle with a number when it’s received or note the bottle ID # and record that in the log book. It is currently very difficult to tell which bottle they are drawing from.	3/15/2019	3/15/2019
Minor	no	SLU 3.1 Laboratory Spaces - E520	E520: No eyewash testing or logging, group says the building takes care of this. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	3/22/2019	3/7/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	SLU 3.1 Laboratory Spaces - E279	E279: Unfinished pressed particle board being used as a base support needs to be sealed or replaced.	4/12/2019	4/11/2019
Minor	no	Roosevelt Laboratory Spaces - Private Vehicle - Lic. # AGT6706 (Maroon Toyota Highlander)	Private Vehicle (Lic. #AGT6706): Travel totes in which cages are placed need to be secured with straps, or if one tote is used, the adjacent seat needs to be up to hold the single cage in place.	2/1/2019	1/16/2019
Minor	no	Roosevelt Laboratory Spaces - 192	192: Expiration dates for food in fridge were listed on the outside of the refrigerator, but not on the containers in the fridge. Expiration dates for the food should be marked on each food container, as well as on a small white board on the small refrigerator in the lab.	2/1/2019	1/18/2019
Minor	no	HSB Laboratory Spaces - K157	Replace chair with one that is completely sealed and sanitizable. Current chair has duct tape patches which are not appropriate for use in animal housing/procedure rooms because they cannot be sanitized.	3/1/2019	1/18/2019
Minor	no	HR&T Laboratory Spaces - 312	312: Behavioral equipment (cages with running wheels, a food hopper with food, and plastic tube watering device with a metal lixit) inside a chamber. The cages were clean, but the host was unclear how long the food had been in the hopper, if it is removed between experiments, and no food expiration date was noted. The host said the equipment is cleaned with Clidox, but unclear if this non-mechanical sanitation been validated. Host also didn't know if the plastic watering tubes were replaced periodically or washed. Group needs to develop a written sanitation procedure for this behavioral equipment.	3/1/2019	1/30/2019
Minor	no	HSB: 6th Floor Vivarium - F606	F606: Full sharps container – should be disposed of.	2/22/2019	2/6/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB: 6th Floor Vivarium -	G616 (chick housing): No cage card present on brooder.	3/15/2019	3/27/2019
Minor	no	HSB: 6th Floor Vivarium -	G616 (chick housing): Date animals housed not recorded properly on sheet.	3/15/2019	3/27/2019
Minor	no	HSB: 6th Floor Vivarium -	G619: Autoclaved filters not covered with Tyvek (dated 1/28/19).	3/15/2019	3/27/2019
Minor	no	HSB: T-Wing Vivarium -	T133 (Chavkin): Several mouse cages labeled as being on food restriction but could not find monitoring log in the room to verify they are weighing the mice.	3/15/2019	3/3/2019
Minor	no	SLU 2 Laboratory Spaces - N327	N327: Floor needs sweeping and cleaning. Please develop an SOP for cleaning on a regular basis.	3/15/2019	2/27/2019
Minor	no	SLU 2 Laboratory Spaces - S374	S374: Isoflurane vaporizer due for service as of 2-18-19. Please label "Do Not Use Until Calibrated." Please contact Summit Anesthesia Service Corp at 1-866-805-7016 to re-calibrate the vaporizer.	3/29/2019	3/21/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E027 (Schwartz): Expired blood test strips.	3/29/2019	3/11/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E024 (rack 4B): Change log was not initialed.	3/29/2019	3/12/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E023: Door doesn't latch. Please submit work order for the repair.	5/31/2019	3/25/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E021C: Door is sticking. Please submit work order for the repair.	5/31/2019	3/25/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E044: Door latch needs repair. Please submit work order for the repair.	5/31/2019	3/25/2019
Minor	no	HR&T Vivarium -	SB056: F/AIR canisters left in the room 2-18-2012 on the canister. Isoflurane machine in the BSC with three F/Air canisters of unknown age. Please arrange Chemical Waste Disposal through EH&S at chmwaste@uw.edu.	2/22/2019	2/25/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	CHDD Vivarium -	076A: Cage card says Rubel 2048-02, Linda Robinson is the contact, but the cage card Date Received date is 04/08/14. The gender is crossed out and birth date says 10/20/18. There are 5 mice in the cage and it's hand-written that they are C57Bl/6J. The other cage has a hand-written card that says "Andy" and "Perkel, David 3304-01. B: 1/24/19, CBA/CaJ, B: 6/25/18." From looking at this protocol, these mice are used for tissue but don't see where in the Housing and Use section the euthanasia is being done on these mice (nothing indicated in the Use section...recommend adding the CHDD room where this is done).	3/8/2019	3/4/2019
Minor	no	SLU 3.1 Laboratory Spaces - E456	E456: Expired tube of artificial tears – discarded during visit.	2/27/2019	2/27/2019
Minor	no	SLU 2 Laboratory Spaces - S462	S462: Isoflurane vaporizer needs calibration. Please label "Do Not Use Until Calibrated." Please contact Summit Anesthesia Service Corp at 1-866-805-7016 to re-calibrate the vaporizer.	4/30/2019	5/1/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E068: Unclear if isoflurane vaporizer due for calibration. Missing calibration tag. If due for service, please label "Do Not Use Until Calibrated."	4/30/2019	4/29/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E088C: Door doesn't latch. Please submit work order for the repair.	5/31/2019	3/25/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E088D: Flow rate tag/sticker not posted on CO2 euthanasia chamber.	3/29/2019	3/14/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E088D (Bornfeldt): Expired food. Please discard.	3/29/2019	2/28/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E088A (Oberst): Infection date not filled in.	3/29/2019	3/12/2019
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I445	I445, I457: An updated on-call schedule was not posted.	4/12/2019	3/29/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Western Fisheries Research Center -	Eyewash is flushed monthly and not weekly as recommended. The USGS Occupational Health and Safety Program survey handbook requires maintenance of showers and eyewash stations and documentation of those maintenance activities. However, the handbook does not specify the time interval for testing. Thus, there is no explicit guidance. Group to seek guidance from USGS.	4/12/2019	3/20/2019
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I441	I441: An updated on-call schedule was not posted.	3/29/2019	3/15/2019
Minor	no	HSB Laboratory Spaces - J681A	J681A: Post an animal allergen exposure sign. OAW to provide animal allergens exposure sign.	4/30/2019	3/25/2019
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I553	I553 (kitchen/sink area): Chipped paint on wall. OAW to submit work order and Facilities Services will contact to schedule the repair.	9/30/2019	Pending
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I553	I553: Under the sink there was a fire extinguisher last evaluated over 20 years ago, and a first aid kit that was likely from that time period or before. They were pulled out for removal.	3/6/2019	3/6/2019
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I553	I553: Expired eye rinse in bite/scratch kit. Please discard and replace.	4/26/2019	3/15/2019
Minor	no	Benjamin Hall - Private Vehicle - Lic. # BJM2610 (Green Toyota Camry)	Private Vehicle: When transporting mice, please place cage(s) in a secondary container and ensure that the secondary container is secured during transport.	4/26/2019	3/20/2019
Minor	no	WaNPRC: Arizona -	Outside annex & Downstairs washout area: Mops should be hung to dry rather than left in buckets.	4/19/2019	4/17/2019
Minor	no	HSB Laboratory Spaces - B108B	B108B: Two small dings in paint, could be covered by a hook or sign.	4/30/2019	4/15/2019
Minor	no	Brotman Vivarium -	A39: Low humidity must be reported to the facility supervisor.	4/26/2019	3/4/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Brotman Vivarium -	A43: Several mouse cages not completely pushed in to rack and showing partial red dot on lever mechanism indicating when not properly pushed in.	4/26/2019	3/4/2019
Minor	no	Brotman Vivarium -	C37: Fluorescent lights in overhead fixture are all nearly out. Please replace fluorescent bulb(s) as necessary. DCM to submit work order for repair work.	7/31/2019	3/4/2019
Minor	no	Brotman Vivarium -	B36 (Dirty side cagewash): Exposed sheetrock on wall behind hose reel mount plate. DCM to submit work order for repair.	7/31/2019	4/8/2019
Minor	no	Brotman Vivarium -	B25/28 Hallways: Rust on door hinges to Feed/Bedding Room need to be removed. DCM to submit work order for repair work.	7/31/2019	4/15/2019
Minor	no	WaNPRC: I-Wing Vivarium -	I063: Weekly tasks on Procedure Room log are either not being completed or not properly documented.	4/26/2019	4/1/2019
Minor	no	WaNPRC: I-Wing Vivarium -	I453: Expired povidone pads. Please discard.	4/26/2019	4/25/2019
Minor	no	WaNPRC: I-Wing Vivarium -	Van: Expired scrub kit. Please discard and replace.	4/26/2019	3/22/2019
Minor	no	WaNPRC: I-Wing Vivarium -	I559: Please update scale sanitation log.	4/26/2019	3/20/2019
Minor	no	WaNPRC: I-Wing Vivarium -	In corridor A and I089N there are a couple of signs on the walls that talk about Latex allergies. These signs should be removed if latex is no longer being used in the facility or modified if latex is being used.	4/26/2019	4/25/2019
Minor	no	HSB Laboratory Spaces - I534Q	I534Q: Paper note posted with regular tape was removed during visit.	3/27/2019	3/27/2019
Minor	no	WaNPRC: I-Wing Vivarium -	I752: One of the sprinkler heads has been painted over. WaNPRC to do in-house repairs.	9/30/2019	Pending
Minor	no	WaNPRC: I-Wing Vivarium -	I089: Ding/marks along the corridor wall. WaNPRC to do in-house repairs.	7/31/2019	Pending
Minor	no	HSB Laboratory Spaces - K087	K087: Expired surgery gloves. This was corrected during the visit.	3/27/2019	3/27/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Friday Harbor Laboratories -	Fernald 113: Chair with missing wheel – potential fall hazard. Please remove chair.	4/12/2019	3/25/2019
Minor	no	Friday Harbor Laboratories -	Lab 8 and all other labs/rooms at UW FHL. Weekly eyewash logs have not been completed for the first 2 weeks of March. Individual who is responsible for this activity had a family emergency.	4/12/2019	3/25/2019
Minor	no	WaNPRC: Western -	230: On-call schedule was not current. Please update.	5/3/2019	4/24/2019
Minor	no	WaNPRC: Western -	233: Expired hydrogen peroxide wipes. Please discard.	5/3/2019	4/24/2019
Minor	no	WaNPRC: Western -	233: High temperature in this room was over 80F. Maintenance is aware and has tried to regulate the temperature, but it continues to be an issue.	5/31/2019	5/3/2019
Minor	no	WaNPRC: Western -	239: Expired betadine solution. Please discard.	5/3/2019	4/24/2019
Minor	no	WaNPRC: Western -	241: Expired IV extension sets. Please discard.	5/3/2019	4/24/2019
Minor	no	WaNPRC: Western -	250: Expired metoclopramide. Please discard.	5/3/2019	4/24/2019
Minor	no	WaNPRC: Western -	Transport vehicle: No record that van is being sanitized after use or for deeper cleaning (could easily be added to the transport record that is filled out when the van is used).	5/3/2019	5/3/2019
Minor	no	HSB Laboratory Spaces - K522	K522: Be sure that anyone who works in K522 is enrolled with the Occupational Health Program, even if they are not working directly with animals. Link to the EH&S website to enroll in AUMS.	2/28/2019	1/22/2019
Minor	no	Brotman Laboratory Spaces - 347	347: Lower chain on gas tanks was not secure; corrected during visit.	1/7/2019	1/7/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Brotman Laboratory Spaces - 347	347: Eyewash is being flushed and logged only every two weeks. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	1/25/2019	1/8/2019
Minor	no	Roosevelt Laboratory Spaces - 260	260: Room and PI have not been enrolled in the AUMS program. Please enroll in Animal Use Medical Screening (AUMS) on the EH&S website: https://www.ehs.washington.edu/research-lab/animal-use-medical-screening-aums	2/1/2019	2/1/2019
Minor	no	HSB: K-Wing Vivarium -	Fire extinguishers throughout K-Wing facility is due for maintenance, last date on tag is 2016. Emergency shower in K030 hasn't been tested since 2016. OAW will submit a work order to Facilities Services. Fire & Life Safety Coordinator in EH&S needs access to K-Wing to check the fire extinguishers and emergency showers.	5/31/2019	1/28/2019
Minor	no	HSB Laboratory Spaces - K157	Ensure that the non-functional door separating K-157 from the other room is closed completely. Currently there is a gap between the wall and the door that will need to be addressed by physical plant (door is off of the tracks – slider). Group needs to submit a work order to Facilities Services to repair the sliding door.	3/31/2019	1/18/2019
Minor	no	HSB: 6th Floor Vivarium - E608	E608: Freezer portion of the refrigerator has a large build-up of ice and it looks like something may be encased in the ice. Needs defrosting.	2/22/2019	2/15/2019
Minor	no	HSB: T-Wing Vivarium -	T131 (Moritz): No notation for 2/13/19 on end of day bottle check log. This room is on a reverse light cycle and inspected on 2/14 before lights out at 10am.	3/15/2019	2/25/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	SLU 3.2 Laboratory Spaces - F734	F734: 3 tubes of expired artificial tears – discarded during visit.	2/27/2019	2/27/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E088B: Door doesn't latch. Please submit work order for the repair.	5/31/2019	3/25/2019
Minor	no	Brotman Vivarium -	P169: Sink is dirty and needs cleaning.	4/26/2019	3/4/2019
Minor	no	Brotman Vivarium -	B42 (Clean side washroom): Rust on bottle filler. The rust needs to be cleaned off or removed.	4/26/2019	4/2/2019
Minor	no	Brotman Vivarium -	A38: Chair seat cushion is cracked/exposing foam. Please remove, replace or repair chair.	4/26/2019	3/4/2019
Minor	no	Brotman Vivarium -	A41 (Disis, Rack B35 side B spaces: 9M, N, O (empty cages)): Signage saying “Do not remove animal food w/initials EQ. Cages in space M and N don’t have any food and there are no cage cards. Why are these cages present with food that is old and crumbly and others not?”	4/26/2019	3/29/2019
Minor	no	Brotman Vivarium -	A43, B50: Secondary container that is used to store all the Hydropacs inside is not labeled. Recommend labeling as “NEW Hydropacs”.	4/26/2019	3/4/2019
Minor	no	WaNPRC: I-Wing Vivarium -	Emergency showers are overdue for service. OAW submitted work order and Facilities Services will contact Ben to schedule the maintenance.	5/31/2019	5/22/2019
Minor	no	WaNPRC: I-Wing Vivarium -	In surgery spaces, it is unclear what the date on tins of prepped gauze indicates (date prepped? Expiration date?). Please be sure that dates are clearly labeled.	4/26/2019	4/29/2019
Minor	no	Friday Harbor Laboratories -	Fernald 113: Open drain in floor (no cover) with effluent line capped – potential trip hazard – add/replace drain cover.	6/30/2019	6/26/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	WaNPRC: Western -	213 (Clean cagewash): Room is always difficult to assess because there is so much equipment in there. Host said now that 1st floor is not used, that equipment has come up to 2nd floor and there is more equipment in this room. There was also a lot of clean caging in the hallway. This makes it difficult for cleaning and for moving equipment/animals, etc. in this hallway.	7/31/2019	5/3/2019
Minor	no	WaNPRC: Western -	231: TV was a little loud and a Behavioral Management Staff member had to turn it down. This was corrected during the visit.	3/20/2019	3/20/2019
Minor	no	HSB: T-Wing Vivarium - T123	T123: Patch the back sides (right and left) of the leather/pleather chair that will be used in this room. This must be completed before any animal procedures are conducted in this room. Please use appropriate repair kit (vinyl, leather, pleather) and not duct tape!	2/11/2019	2/7/2019
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I553	I553: Dirty ceiling vents need cleaning.	5/24/2019	5/15/2019
Minor	no	WaNPRC: Western -	138: Door to feed/bedding does not close appropriately after leaving the room.	8/31/2019	4/11/2019
Minor	no	WaNPRC: Western -	212 (Dirty cagewash): Peeling paint/wall chips in several places.	8/31/2019	Pending
Minor	no	WaNPRC: Western -	223: Two containers of expired hydrogen peroxide wipes. These were disposed of during the visit.	3/20/2019	3/20/2019
Minor	no	WaNPRC: RR-Wing Vivarium -	RR141 (Treatment/Surgeon prep): Vet on-call log needs updating; corrected during visit.	3/29/2019	3/29/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB Laboratory Spaces - RR711	RR711: Anesthesia machine is due for calibration. Per host, group is not using this one and renting a machine when needed from DCM Veterinary Services. Site visit team recommends placing 'Out of Service/Do Not Use' signage on the machine that is due for calibration and consider removing it from the immediate area.	4/30/2019	4/22/2019
Minor	no	HSB Laboratory Spaces - H330B	H330B: Corner of benchtop has large chip in laminate and needs to be repaired. Lab to submit work order for Facilities Services to repair.	5/31/2019	3/15/2019
Minor	no	Chemistry Library Building - 66	066: Isoflurane vaporizer is due for servicing. The IACUC requires the vaporizer to be serviced annually. Please label "Do Not Use Until Calibrated" and service prior to next use. Company for maintenance is Anesthesia Equipment Supply: http://www.aesol.com	5/31/2019	4/16/2019
Minor	no	Kincaid Hall - 307A	307A: Time that analgesics are administered not consistently recorded. Please remind surgeon(s) to record the time that analgesics are administered on the surgery log.	4/26/2019	4/10/2019
Minor	no	Guthrie Laboratory Spaces - ROOF	Roof Aviaries: On the aviary closest to the door, there are screws sticking out of the transparent roof which may present an occupational health hazard. Possible to cut off the sharper ends so they are more flush with the roof line (similar to the other aviaries)? On the middle set of aviaries, there are gaps along the base that are large enough to allow a bird to escape. Group is currently working to address this issue.	5/31/2019	5/14/2019
Minor	no	HSB: T-Wing Vivarium -	Emergency showers throughout facility are overdue for maintenance.	5/31/2019	5/22/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	ARCF (Animal Research & Care Facility) -	B168 (Ho lab): Bin has expired substances, Ho Lab needs to remove.	5/3/2019	4/16/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B164 (Corey Lab): Unlabeled tubes with waste substances not labeled and set in corner of room near entrance door (left side upon entry). Tubes need to be removed by lab group.	5/3/2019	4/17/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B160: Cabinets above each end of the counter were locked so not all PI bins could be inspected. Bins in center cabinet were accessible and had expired substances. Remaining cabinets need to be opened and inspected.	5/10/2019	5/6/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B213 (Dog procedure): Expired Cyclosporine capsules, removed during visit.	4/12/2019	4/12/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B216 (Dog housing): One of the dog doors (to central space in room) was not locked, creating potential for a dog break out!	5/3/2019	5/6/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B263 (Endoscopy): Broom and dust pan need to be hung up; work order already placed to correct this.	6/30/2019	6/28/2019
Minor	no	HSB Laboratory Spaces - K522	K522: There should be no absorbent surfaces around the fume hood—all paper and other postings should be encased in a plastic sleeve or laminated.	2/28/2019	1/22/2019
Minor	no	HSB Laboratory Spaces - K157	BSC #330 is now functional but it is “orange” tagged by EH&S as non-operative/functional because it could not be certified and thus failed certification on 7/2018. Since this time the BSC has been repaired but it has yet to be re-certified by EH&S.	3/1/2019	1/18/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB Laboratory Spaces - K157	Develop, approve, post, and follow a written SOP in K-157 on the frequency and process by which the dedicated lab coats (hung on back of entry/exit door) are cleaned and disinfected by laundry facility. On this SOP it MUST be indicated that lab coats MUST not be taken home to be laundered!	3/1/2019	1/22/2019
Minor	no	SLU 2 Laboratory Spaces - N327	N327: Cardboard boxes need to come up off floor or removed from room. Cardboard boxes used for storage can be replaced with plastic bins.	3/15/2019	2/27/2019
Minor	no	SLU 3.2 Laboratory Spaces - F545	F545: Eyewash log is not present. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	3/15/2019	3/10/2019
Minor	no	Benjamin Hall - 364	364: CO2 tall cylinder needs 2 chains (there was only one chain).	3/15/2019	3/15/2019
Minor	no	Portage Bay Building - 132	132: Logs from previous study not available. Recommend keeping copy of logs in a central location.	3/15/2019	2/27/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E073 (clean side cagewash): Temp indicators not put in book since 2/1 (tunnel, rack, auto, auto 2).	3/29/2019	3/15/2019
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I445	I445 ("Robi" booth): There is a concern about the awkward postures and possible muscle strain that may occur getting a chaired monkey into this booth. One host said that a researcher did strain her back and she filed an injury report. A process should be developed to protect both the animal and researcher when using this booth. Other booths in this area had a shorter "step" to get into the booth, but it might be good to include those in the evaluation. The booth was evaluated in October 2014. EH&S to re-evaluate the booth in I455.	5/31/2019	5/30/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I445	I445 ("Yoshiko" booth): Chipped paint on booth door. OAW to submit work order for repair.	9/30/2019	Pending
Minor	no	ARCF (Animal Research & Care Facility) -	B279: Eye rinse in scrub kit is expired. Please discard and replace.	5/17/2019	4/16/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B285: Unidentified liquid in specimen cup and expired vacutainers – discarded during visit.	4/15/2019	4/15/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B287: Animal health observations not documented on 4/13 and 4/15.	5/17/2019	5/16/2019
Minor	no	HSB Laboratory Spaces - D426	D426: Test eyewash and log results weekly.	1/31/2019	1/11/2019
Minor	no	HSB Laboratory Spaces - D426	D426: Torn chair was removed during visit.	1/11/2019	1/11/2019
Minor	no	Brotman Laboratory Spaces - 446	446: Expired drugs; segregated and marked during visit.	1/7/2019	1/7/2019
Minor	no	HSB: K-Wing Vivarium -	I012P: Wall CO2 line – not in use and had sign on it for different CO2 flow rate than on posted wall signage. DCM indicated it's not being use. Needs "do not use" sign on it.	2/15/2019	1/25/2019
Minor	no	HSB: K-Wing Vivarium -	K007E: Environmental enrichment is checked daily and is currently recorded on both the Daily Care Log and the Environmental Enrichment log. The Environmental Enrichment log, however, has not been completed consistently. Please either ensure that personnel are recording enrichments checks on both logs, or revise one of the logs to no longer require the daily check to be recorded.	2/15/2019	1/14/2019
Minor	no	HR&T Vivarium -	SB032 (clean side cagewash): Out of date training for tunnel washers and autoclave. Please retrain personnel.	3/29/2019	2/27/2019
Minor	no	HR&T Vivarium -	SB076: Mouse droppings in the corners of the room.	3/1/2019	2/25/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Brotman Laboratory Spaces - 447	447: Ketamine and Beuthanasia-d were not recorded in drug logs. Drug use were recorded in surgery records, just not in drug logs. Liaison to assist lab with drug log.	3/8/2019	3/7/2019
Minor	no	Brotman Laboratory Spaces - 447	447: Paper signs are not sanitizable and need to be encased in plastic sleeve or laminated.	2/15/2019	2/15/2019
Minor	no	CHDD Vivarium -	076A: Napa Nectar bags that are kept in a storage cage has a handwritten cage card that says "Manufacture Date: 9/5/19." This is probably the Expiration Date.	3/1/2019	2/11/2019
Minor	no	SLU 2 Laboratory Spaces - S462	S462: Full sharps container – dispose and get new one.	3/22/2019	3/4/2019
Minor	no	HSB Laboratory Spaces - J681A	J681A: Block any 'escape' routes (e.g. drain) that mice could get through if one were to get loose in the fume hood where decapitations will be performed.	4/30/2019	3/25/2019
Minor	no	Chemistry Library Building - 66	066: Three gas tanks along the wall were only secured with a single strap. Tanks must be secured with a second lower set of chain to ensure the tank cannot slide forward. Please have a second strap installed.	4/26/2019	4/17/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B241: Weekly tasks not documented as needed on the Procedure Room Checklist (only one week completed thus far in April); Host also mentioned that the version of the form used appeared out of date. Please double check to ensure that most current version of form is being used throughout the facility.	5/17/2019	5/16/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B279: Expired fortune cookies. Please discard.	5/17/2019	4/16/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B227 (Kitchen): Expired popcorn discarded during visit.	4/15/2019	4/15/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	ARCF (Animal Research & Care Facility) -	B263 (Endoscopy): Expired drug (Cefazolin) discarded during visit.	4/15/2019	4/15/2019
Minor	yes	HSB Laboratory Spaces - D218	D218: No drug log for open vial of xylazine. The amount used and unused must be recorded in the drug log. Please contact your Scientific Liaison if you require assistance.	5/10/2019	4/26/2019
Minor	no	Roosevelt Laboratory Spaces - 192	192: PPE requirements (lab coats, eyewear, and nitrile gloves) should be posted on the door where the larval zebra fish are exposed to toxic metals and compounds. Proper signage in place when chemicals are used in the hood and when working in the environmental room.	2/1/2019	1/18/2019
Minor	no	HSB: K-Wing Vivarium -	K007C: Hood pre-filter has not been cleaned (or this action has not been documented) since 9/2018. This task should be completed monthly.	2/15/2019	1/14/2019
Minor	no	HSB: K-Wing Vivarium -	K007E: Low humidity several days over the past week. These out of range events were not reported to the facility supervisor.	2/15/2019	1/14/2019
Minor	no	HSB: K-Wing Vivarium -	K007F: Low humidity several days over the past week. These out of range events were not reported to the facility supervisor.	2/15/2019	1/11/2019
Minor	no	HSB: K-Wing Vivarium -	K017B (Weinstein): Please check on when the isoflurane vaporizer was last serviced. Stickers on the vaporizer suggest that it is overdue for service, however, Facility Supervisor and ab member remember it being serviced ~6 months ago. This is not a concern if the equipment was serviced 6 months ago.	3/8/2019	3/11/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB: K-Wing Vivarium -	K017D (Xia): Centrifuge tube with carprofen mixture (in yellow container on bench top) was not properly labeled. Please be sure all secondary containers are labeled with the name of the substance, date prepared and expiration date.	2/15/2019	2/7/2019
Minor	no	HSB Laboratory Spaces - K157	All posted signs should be laminated and adhered by a mechanism to ensure regular cleaning and disinfection of surfaces. Remove all non-sanitizable stickers, labels, tape, etc. from the surfaces of BSC #330 and clean and disinfect surfaces with 10% bleach followed by 70% ETOH.	3/1/2019	1/18/2019
Minor	no	Foege Vivarium -	N058: Container with gel is lacking a label with the expiration date.	2/15/2019	2/25/2019
Minor	no	Benjamin Hall - 364	364: Isoflurane vaporizer was last inspected Oct. 2017. Please label "Do Not Use Until Calibrated." Please contact Summit Anesthesia Service Corp at 1-866-805-7016 to re-calibrate the vaporizer.	4/30/2019	4/29/2019
Minor	no	Portage Bay Building - 102K	102K: Gas tank next to hood needs to be secured with a second chain.	3/15/2019	3/15/2019
Minor	no	Portage Bay Building - 102K	102K: Eyewash has not been flushed since October. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	3/15/2019	2/27/2019
Minor	no	Portage Bay Building - 132	132: Brooms should be kept off the floor. Recommend installing hanger for brooms and squeegees.	3/29/2019	3/29/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	SLU 2 Laboratory Spaces - N115	N115: Diluted mouse mixes of buprenorphine and Euthanasia III were not labeled with the concentration of the contents (although this information was on the drug log sheet). Date on which the diluted solution was made up was on the label, but not the expiration date.	3/22/2019	3/15/2019
Minor	no	SLU 3.1: 0 Level Vivarium -	E073 (clean side cagewash): Dirty vacuum filter needs to be removed.	4/30/2019	3/12/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B205 (Rabbit procedure), B209 (Sheep procedure), B219 (Dog procedure): Recapped needles in sharps container; no recapper in room.	5/3/2019	5/6/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B263 (Endoscopy): Paper signage posted on screen and walls; all paper posted should be in plastic sleeve or laminated.	5/17/2019	5/16/2019
Minor	no	HSB Laboratory Spaces - D426	D426: Expired betadine scrub – removed at time of inspection.	4/17/2019	4/17/2019
Minor	no	HSB Laboratory Spaces - H227	H227: Fire extinguisher needs re-certification – last checked in 2017 according to the tag. OAW will submit work order request.	5/31/2019	5/20/2019
Minor	no	Hitchcock Vivarium -	118 Suite (housing rooms in general): Containers (i.e., plastic pitchers) containing water for the birds is not labeled. Please label as "Water" or "H2O."	5/24/2019	4/22/2019
Minor	no	Hitchcock Vivarium -	Hitchcock 118B, 118E: Sinks are very dirty and should be cleaned regularly. Noticed this throughout most of the rooms in the 118 suite.	5/24/2019	4/22/2019
Minor	no	HSB: T-Wing Vivarium -	T123 (Welsh): 2 tubes of expired eye ointments – discarded during inspection.	2/13/2019	2/13/2019
Minor	no	SLU 2 Laboratory Spaces - N327	N327: Dings on walls need to be repaired. Please submit a work order at SLU for the repairs.	3/29/2019	3/1/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	SLU 2 Laboratory Spaces - N327	N327: Tape on wall is not sanitizable. Please remove tape from walls.	3/15/2019	2/27/2019
Minor	no	SLU 2 Laboratory Spaces - N327	N327: Paper signs posted on walls must be in plastic sleeves or laminated.	3/15/2019	2/27/2019
Minor	no	SLU 2 Laboratory Spaces - S385	S385: Isoflurane vaporizer due for service as of 2-18-19. Please label "Do Not Use Until Calibrated." Please contact Summit Anesthesia Service Corp at 1-866-805-7016 to re-calibrate the vaporizer.	3/29/2019	3/21/2019
Minor	no	WaNPRC: I-Wing Laboratory Spaces - I725	I725, I727: Wall between these two rooms needs repair. OAW to submit work order and Facilities Services will contact to schedule the repair.	9/30/2019	Pending
Minor	no	HSB Laboratory Spaces - F410	F410: Lab space currently houses a shared plate reader. The plate reader is in the process of being relocated. Until it is relocated, please place a sign on the door alerting visitors to the presence of animal allergens when animals are present in the space.	4/26/2019	3/20/2019
Minor	no	HSB Laboratory Spaces - B108C	B108C: Create a daily care log for this space with help from DCM.	4/30/2019	4/22/2019
Minor	no	LSB Vivarium -	Throughout LSB facility: Red lights in rooms need to be checked, confirmed operational.	7/31/2019	Pending
Minor	no	LSB Vivarium -	B114 (Procedures), B116 (Procedures), B120 (Procedures): CO2 tubing to hood needs to be re-secured.	7/31/2019	Pending
Minor	no	Guthrie Vivarium -	364 (Euthanasia): Eyewash is in hallway: The log shows that the weekly check was recently missed. Initials are ARS; Facility Supervisor informed inspectors that this is the responsibility of the Guthrie Facilities Manager, not DCM.	5/31/2019	5/28/2019
Minor	no	Guthrie Vivarium -	369C, 369E, 369H, 369G: Box under the sink that is saturated and falling apart. Please remove box.	5/24/2019	5/23/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Guthrie Vivarium -	369A: Room has rats in room, but no signage outside of room. Signage needs to be provided.	5/31/2019	5/27/2019
Minor	no	Guthrie Vivarium -	369D: 3 SSR forms with different date ranges that cover mostly the same things (e.g., Do Not Feed, Medicated Water, etc.) and say things like Rack 2, Row A1-4 and B1-4, but then it also lists animal numbers that contradict this. For example, "AP32-37 will start medicated water on different days." These 6 rats are in Row B1-4, but also include Row B5-6 but they are not mentioned on the rack information. This seems very confusing. It would seem to make sense to have one SSR to cover one date range and indicate the cage numbers rather than rack position (or both if they can be consistent). Also, please make sure to fill out and use the green card for medicated water as it will state what the water is medicated with.	5/31/2019	5/31/2019
Minor	no	Guthrie Laboratory Spaces - 028D	028D: Floor is dirty with rat feces and bedding. Please develop an SOP for cleaning on a regular basis.	5/24/2019	5/1/2019
Minor	no	Guthrie Laboratory Spaces - 028C1	028C1/C2: While not necessarily dirty, the cleaning schedule logs for these testing rooms say to mop/sweep every 3 months. Given that these rooms can be used daily, the frequency of sanitation should better match the actual use of the room.	5/24/2019	5/21/2019
Minor	no	Brotman Laboratory Spaces - 423	423: Floor appears dirty, stained. Per lab host, mopping does not remove the marks – needs stripping and waxing. Group to submit work order.	5/1/2019	5/1/2019
Minor	no	HSB: K-Wing Vivarium -	I012Q: Racks in this room have not been changed and filter checks not performed since 12/2017.	2/15/2019	1/14/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB: K-Wing Vivarium - K007C	K007C: Low humidity several days over the past week. These out of range events were not reported to the facility supervisor.	2/15/2019	1/14/2019
Minor	no	HR&T Vivarium -	SB064 (Feed and bedding storage): Temperature of the room is high. Wall thermos may not be working properly. Last calibration was 2/2016.	3/29/2019	2/25/2019
Minor	no	WaNPRC: I-Wing Vivarium -	I455: There is portable snorkel device in this room. The labs need to figure out when the filters need to be changed while establishing a best practices maintenance program.	5/24/2019	5/23/2019
Minor	no	WaNPRC: I-Wing Vivarium -	I735: Expired drugs (3/19) in the emergency bloat kit – end of the month indicated as the expiration date on the label is standard practice so they were not expired. That said, vials were removed from the kit.	3/18/2019	3/18/2019
Minor	no	HSB Laboratory Spaces - RR747	RR747: Eyewash not being flushed weekly. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	4/26/2019	4/2/2019
Minor	no	HSB Laboratory Spaces - C525	C525: Overhead bank of room lights out. Please replace the lights.	4/30/2019	4/3/2019
Minor	no	Chemistry Library Building - 66	066: Cardboard present in the terminal surgery space. Please either relocate the cardboard boxes or place contents in a plastic bin.	4/26/2019	4/22/2019
Minor	no	Kincaid Hall - ROOF	Roof Aviary: Electrical outlet on the far side of the aviary does not have a cover, presenting an occupational health hazard. Please replace cover.	5/31/2019	4/18/2019
Minor	no	Guthrie Laboratory Spaces - 421	421: Hygrometer needs a new battery (room felt warm). Please replace the battery to ensure that it is accurately reporting the temperature and humidity.	4/26/2019	4/12/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	ARCF (Animal Research & Care Facility) -	B201 (Treatment room): Weekly tasks have not been performed/logged since February, and the room number written on the log does not match number of the room (i.e. incorrect room is listed). Log is maintained on laminated surface, erased at end of month. Weekly tasks should be logged on paper (kept in plastic sleeve) so records can be stored (retained) for required period of 6 years.	5/3/2019	4/17/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B219 (Dog procedure): Eyewash needs to be tested and logged weekly. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	5/3/2019	4/17/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B227 (Kitchen): Expired pudding, discarded during visit.	4/12/2019	4/12/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B241: Paper signage posted on walls; all paper posted should be in plastic sleeve or laminated.	5/17/2019	5/16/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B255: Weekly tasks not documented as needed on the Procedure Room Checklist (all of March missed).	5/17/2019	5/16/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B285: Treats (marshmallows, graham crackers, etc.) should be stored in secondary container and containers need to be appropriately labeled with name of content and expiration date.	5/17/2019	4/24/2019
Minor	no	HSB Laboratory Spaces - G530A	G530A: Paper signs on walls need to be in plastic sleeves.	5/10/2019	4/24/2019
Minor	no	Hitchcock Vivarium -	Hitchcock 118C: Weekly tasks were not checked off as having been completed or completed as/if necessary. DCM should revise form if "weekly" tasks do not need to be performed as "weekly" but rather "monthly" or "as needed" or mark the sections accordingly versus leaving blank.	5/31/2019	4/25/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Hitchcock Vivarium -	Hitchcock 118A, 118B, 118F, 118G: Several paint chips in door jams. OAW to submit work order for repair estimate.	9/30/2019	5/21/2019
Minor	no	Kincaid Hall -	Kincaid 523 (Dirty Cage): DCM requires dirty water bottles to be stored in a container with a lid – found 6 water bottles sitting on bench and not being stored as per DCM.	5/24/2019	4/22/2019
Minor	no	Kincaid Hall -	Kincaid 558 (Multi-user Room): Temperature and humidity for several room chambers is being recorded in Celsius and site visitors are not sure what the 'out of range' is for either - required to look up each recording as log sheet has outside range in Fahrenheit only and site visit team and DCM not familiar with Celsius etc. Either update form to include temperature/humidity variance in both Fahrenheit and Celsius or require groups to record in Fahrenheit.	5/24/2019	4/24/2019
Minor	no	Kincaid Hall -	Kincaid 558 Chamber 2A (Moody and Bosma Labs): Groups using home grown cage cards and hard to interpret, e.g., number of mice in cage, DOB; group asked by DCM to use the Breeder Cage Card provided by DCM on top of the standard cage card but not doing; cage cards do not include DOB; one overcrowded cage of mice (8 adult mice in one cage at time of IACUC site visit but cage cards states 3 mice in cage.	5/24/2019	4/22/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Guthrie Vivarium -	364 (Euthanasia): Room is listed on site visit sheet as “euthanasia” only, but the room is being used for “Euthanasia/Dead Animal Carcass Refrigerator/Dirty Cage Storage. At time of site visit, could barely get to CO2 station due to dirty cages on dunnag rack and carts blocking the way; found CO2 procedure log, but told it is no longer needed as DCM is covering cost of CO2 tanks, etc. – can be removed. Door signage says PPEs required (i.e., disposable gowns, bonnet, and gloves).	5/24/2019	4/24/2019
Minor	no	Guthrie Vivarium -	368: Chipped door. OAW to submit work order to Facilities Services for an estimate.	9/30/2019	6/11/2019
Minor	no	Guthrie Vivarium -	369: Large Clidox carboy next to the sink that is not labeled with the name of the contents or the prepared date.	5/24/2019	4/22/2019
Minor	no	Guthrie Vivarium -	369 hallway: Chips on the door jamb. OAW to submit work order to Facilities Services for an estimate.	9/30/2019	Pending
Minor	no	Guthrie Vivarium -	369 hallway: Electrical wiring hanging out of the ceiling/wall. OAW to submit work order to Facilities Services for an estimate.	9/30/2019	5/14/2019
Minor	no	Guthrie Vivarium -	369C, 369E, 369H, 369G: Expired Clidox: label says changed 4/10/19, but also says “Needs to be changed weekly” so that would mean this is past due. These labels seem to vary as some don’t say “Needs to be changed weekly” and some do. These should be consistent, especially as DCM only changes them every 2 weeks.	5/24/2019	4/22/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Guthrie Vivarium -	369C, 369E, 369H, 369G: "Static Rack Change-Out Schedule-Quarterly" is what it is labeled, but the dates reflect a varying pattern of changing dates, e.g., every 3 months, but then 1 month and 10 days, and then 2 months.	5/31/2019	4/29/2019
Minor	no	Guthrie Vivarium -	369C, 369E, 369H, 369G: Sink is leaking water. There is a green residue around the plumbing under the sink and water on the floor near sink. OAW to submit work order to Facilities Services for an estimate.	9/30/2019	6/3/2019
Minor	no	Guthrie Vivarium -	369H (Gire): Room signage outside door says "rats," but only mice are being housed here. Signage needs to be updated.	5/24/2019	5/28/2019
Minor	no	Guthrie Vivarium -	369D: Medicated water 3/18-6/15 on SSR form, but Facility Supervisor thought the group is no longer giving it. There is no way of knowing since the form says there will be a green card when it is being used and there isn't any. Facility Supervisor said that it can be confusing since there is a single red card on which they've written a lot of the SSR details.	5/31/2019	5/31/2019
Minor	no	Guthrie Vivarium -	369C: No SSR for medicated water, but the Mapap™ Liquid (acetaminophen) was found in there and the protocol indicates it is being given in the water after surgery. There should be an SSR for medicated water saying who is responsible for adding it in the water and a green card to show that the water is currently medicated.	5/31/2019	5/31/2019
Minor	no	Guthrie Laboratory Spaces - 028D	028D: Sharps container is overfilled and some sharps are capped. Group does not have a recapper. OAW to provide needle recapper.	5/10/2019	5/1/2019
Minor	no	Guthrie Laboratory Spaces - 028D	028D: Wall needs repair. OAW to submit work order to Facilities Services for an estimate.	9/30/2019	Pending

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Guthrie Laboratory Spaces - 028D	028D: F/AIR canister is not labeled with the starting weight/date.	5/10/2019	5/1/2019
Minor	no	Guthrie Laboratory Spaces - 028D	028D: Induction chamber is dirty with bedding. Please develop an SOP for cleaning on a regular basis.	5/24/2019	5/1/2019
Minor	no	Guthrie Laboratory Spaces - 028D	028D: Group is using a microwaveable heating pad that can easily be overheated and potentially burn an animal, even if there is material between the pad and animal. Group should purchase a warm water recirculating heating pad/pump or other safer product than what is currently used. Please contact Veterinary Services for advice.	5/24/2019	5/21/2019
Minor	no	Guthrie Laboratory Spaces - 028D	028D: Group is using a nitrile glove as the diaphragm for the rodent nose cone. It was very loose on the mask and the opening too large for the rat nose, so the gas anesthetic is likely leaking and inadvertently exposing personnel. Please contact Veterinary Services for advice on optimizing the rodent nose cone.	5/24/2019	5/21/2019
Minor	no	Guthrie Laboratory Spaces - 028D	028D: Several tubes of expired eye ointment. Please discard.	5/10/2019	5/1/2019
Minor	no	Guthrie Laboratory Spaces - 408	408/408A: Missing weekly tasks initials for zebrafish logs.	5/24/2019	5/24/2019
Minor	no	HSB Laboratory Spaces - I534Q	I534Q: Make sure eyewash is tested and logged weekly. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	4/26/2019	3/29/2019
Minor	no	WaNPRC: Western -	217: Paint chips on wall.	8/31/2019	Pending
Minor	yes	WaNPRC: Western -	243 (Repeat): Large amounts of peeling paint on an area that has been repaired previously.	8/31/2019	Pending

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	yes	HSB Laboratory Spaces - C525	C525: Flooring is dirty and should be swept / cleaned and kept up regularly.	4/30/2019	4/3/2019
Minor	no	HSB Laboratory Spaces - D626	D626: It is not best practice to place anesthetized mice back in the cage with awake mice. Anesthetized mice should not be placed in the same cage as awake mice.	4/12/2019	4/3/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B145 (Procedure space for behavioral suite): Unlabeled bottle with some yellowish liquid in it that does not appear to be original contents (cherry flavored electrolyte solution), which were listed as expired in 2018.	5/10/2019	5/8/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B212 (Pig procedure): Expired Saline, removed during visit.	4/12/2019	4/12/2019
Minor	no	SLU 2 Laboratory Spaces - S243	S243: Holes and dents in north and east side of room. Please submit a work order to BGIS for repairs.	5/31/2019	4/24/2019
Minor	yes	HSB Laboratory Spaces - D218	D218: Eyewash station log not update. Lab personnel is not doing this testing consistently. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	5/10/2019	4/18/2019
Minor	no	HSB Laboratory Spaces - H227A	H227A: Rust on metal plate that a microscope sits on. Please remove rust.	5/31/2019	5/31/2019
Minor	no	Guthrie Vivarium -	368: Door signage should say "Food" Storage Room, not just "Storage Room."	5/31/2019	4/29/2019
Minor	no	Guthrie Laboratory Spaces - 028D	028D: Dental cement is in a secondary container. It should be labeled the "dental cement" and a date.	5/24/2019	5/15/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB Laboratory Spaces - BB1546	BB1546: Mop resting in bucket rather than hanging on wall. Hooks are present on the back of the door, so hung mop on hook at the time of the site visit.	4/23/2019	4/23/2019
Minor	no	LSB Laboratory Spaces - 205	205: Eyewash log not up-to-date. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	5/24/2019	4/26/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B265 (Clean Side), B271 (Dirty Side): Eyewash stations in these rooms have not been routinely checked. We were told that the "facilities" workers were the ones who were responsible for checking these eye wash stations, as opposed to the eye wash stations that were in most of the rooms. The card hanging from the station is meant to be for the annual check and not for the weekly checks. We recommend that a separate sheet is set up for eyewash check near these stations and that they are done routinely (weekly). It might be easiest to set up a weekly schedule with the dates already printed and have the person initial on the date when they do the check.	5/24/2019	5/26/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B265 (Clean side), sterile room: This room, where they autoclave the cages, had a broom and dustpan stuck into the metal rim around the lower wall, and the mop was sitting in the mop squeeze cart. These need to be hanging up. Please set up a way for these to be hung up so they are organized and off the ground.	5/24/2019	5/26/2019
Minor	no	HSB Laboratory Spaces - H153	H153 (Kelly): Date missing from bottle containing diluted bleach solution.	5/24/2019	4/30/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	HSB Laboratory Spaces - J661A	J661A: Eyewash needs to be tested and logged weekly. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	5/17/2019	4/30/2019
Minor	no	HSB Laboratory Spaces - J131	J131: Temporary housing cabinet is lined with sound attenuating foam that is not sanitizable. Cover with plastic sheeting or similar material that can be easily wiped down if needed.	5/24/2019	5/24/2019
Minor	no	HSB Laboratory Spaces - J136	J136: Eyewash needs to be tested and logged weekly when room is in use (make a note on log if room is not in use).	5/24/2019	5/24/2019
Minor	no	HSB Laboratory Spaces - J136	J136: Wooden outer chamber of Box #3 needs to be sealed or replaced.	5/24/2019	5/24/2019
Minor	no	HSB Laboratory Spaces - J136	J136: Clean fume hood before temporarily housing any animals in this space.	5/24/2019	5/24/2019
Minor	no	WaNPRC: Western -	Transport vehicle: Thermometer is not being cleared regularly because the recorded high/low temperatures were always the same. Recorded minimum temperature was always 41.7F, although the back of the van is warmed up prior to moving animals, so there is some confusion about what low temperature should be recorded (e.g., should be the low temperature at any point during transport). Guidance should be included in the appropriate SOP.	5/3/2019	5/3/2019
Minor	no	WaNPRC: Western -	243: Missing sprinkler head cover.	8/31/2019	4/11/2019
Minor	no	WaNPRC: Western -	317: Expired drugs in the cabinet. This was removed during inspection.	3/20/2019	3/20/2019
Minor	no	WaNPRC: RR-Wing Vivarium -	RR048: Sign on door needs to be encased in plastic.	4/26/2019	3/29/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	WaNPRC: RR-Wing Vivarium -	RR051 (Housing-Nursery), RR052 (Kitchen), RR141 (Treatment/Surgeon prep): Daily tasks on check lists/observation logs need to be consistently logged (or absence of entries needs to be explained).	4/26/2019	4/25/2019
Minor	no	WaNPRC: RR-Wing Vivarium -	RR141 (Treatment/Surgeon prep): Expired cleaning solution discarded during visit.	3/29/2019	3/29/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B279: Weekly tasks not documented as needed on the Procedure Room Checklist.	5/17/2019	5/16/2019
Minor	no	HSB Laboratory Spaces - H231	H231: Lots of rust on the cart in the room. Please remove the rust.	5/31/2019	5/31/2019
Minor	no	Hitchcock Vivarium -	Hitchcock Procedure room: Please modify/update the care logs as necessary to remove sections that are not needing to be logged (e.g., "hi/low" temp and humidity") as they are currently just left blank.	5/31/2019	5/31/2019
Minor	no	Kincaid Hall -	Kincaid 523 (Dirty Cage): Unlabeled Nalgene bottle with strange substance inside. Needs to be discarded and likely treated as hazardous agent since contents are unknown.	5/24/2019	4/25/2019
Minor	no	Kincaid Hall -	Kincaid 523 (Dirty Cage): Dirty cage room care log not filled out correctly for "daily tasks" (i.e., Thursday not completed).	5/24/2019	4/22/2019
Minor	no	Guthrie Laboratory Spaces - 354A	354A: Betadine solution expired 2/19. Please discard.	5/10/2019	5/17/2019
Minor	no	Guthrie Laboratory Spaces - 354A	354A: Isoflurane machine was due for service 10/18. Please post a sign stating "Do Not Use Until Calibrated."	5/24/2019	5/24/2019
Minor	no	Guthrie Laboratory Spaces - 359	359: Cardboard boxes on the floor. Please remove cardboard boxes or replace with plastic storage bins.	5/24/2019	5/28/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	Guthrie Laboratory Spaces - 359	359: Fecal matter and bedding on the floor. No cleaning log was present. Please develop an SOP for floor cleaning on a regular basis.	5/24/2019	5/28/2019
Minor	no	Guthrie Laboratory Spaces - 414	414: Guillotine present, but the host was unsure who uses it. There was no maintenance log present. If not in use, it could be labeled as such.	5/24/2019	6/12/2019
Minor	no	HSB Laboratory Spaces - NW141A	NW141A: Two almost fully-used F/AIR canisters on a cart. Used F/AIR canisters should be stored in a sealed container.	5/24/2019	4/29/2019
Minor	no	HSB Laboratory Spaces - F553E	F553E: There are empty Metro racks on top of tables in this room (currently empty but in the past were used for mouse cages). Some of the metro racks are secured to the walls (i.e., earthquake-safe), but some are not. Discussed with the lab that they may want to move any non-secured Metro racks on tables if they are not needed at this time.	5/24/2019	4/25/2019
Minor	no	LSB Laboratory Spaces - 205	205: Isoflurane vaporizer need calibration – scheduled to be completed in the next few weeks.	5/24/2019	5/14/2019
Minor	no	LSB Laboratory Spaces - 312H	312H: Paper sheets on the wall – need to be placed in plastic sleeves.	5/17/2019	5/3/2019

Severity	Repeat	Location	Deficiency	Correction Due Date	Date Complete
Minor	no	ARCF (Animal Research & Care Facility) -	B234 (Necropsy room): Eyewash station has not been routinely checked. The dates for B234 say "9/16/18-Annual", "3/27/19 SAP" and "4/23/19" SAP and the others had more frequent but inconsistent checks, sometimes a few days apart and sometimes more than a week apart. We were told that the "facilities" workers were the ones who were responsible for checking these eye wash stations, as opposed to the eye wash stations that were in most of the rooms. The card hanging from the station is meant to be for the annual check and not for the weekly checks. We recommend that a separate sheet is set up for eye wash check near these stations and that they are done routinely (weekly). It might be easiest to set up a weekly schedule with the dates already printed and have the person initial on the date when they do the check.	5/24/2019	4/30/2019
Minor	no	HSB Laboratory Spaces - J136	J136: Make sure all ceiling tiles are properly seated before animal use in room.	5/24/2019	5/24/2019
Minor	no	HSB Laboratory Spaces - J185	J185: Eye wash needs to be tested and logged weekly. Eyewash station requires flushing once per week to protect personnel from potential build-up of contaminants in the water line and must be recorded in a log.	5/24/2019	4/29/2019
Minor	no	ARCF (Animal Research & Care Facility) -	B272B: Damage to sliding door from NHP vivarium to cage wash	9/30/2019	Pending
Minor	no	ARCF (Animal Research & Care Facility) -	B275: Damage to folding shelf and wall behind folding shelf in corridor near B275.	9/30/2019	Pending
Minor	no	ARCF (Animal Research & Care Facility) -	B276: Damage to wall in corridor near B276	9/30/2019	Pending
Minor	no	ARCF (Animal Research & Care Facility) -	B276: Dry erase board near B276 needs to be replaced.	9/30/2019	Pending

Appendix C Departures

Prolonged restraint

As reported on the previous semi-annual program review, a subcommittee of the IACUC reviewed the policy on prolonged restraint and the classification of Physical Restraint procedures under that policy. In addition, certain Capture/Trapping and Other procedure types were identified as including prolonged restraint, and an appropriate Physical Restraint procedure was created for these protocols. Active protocols with approved prolonged restraint are as follows:

- Wild bats, held in cloth bags for transport – 1 protocol
- Wild Birds, held and hooded for transport or equipment attachment – 4 protocols
- Zebrafish, held in a matrix for imaging – 5 protocols
- Mice, held in tubes for various procedures – 8 protocols
- Mice, held by head posts – 9 protocols
- Nonhuman primates, held by head posts or in chairs – 13 protocols
- Nonhuman primates, constrained in squeeze cages – 2 protocols
- Pigs, held in slings – 1 protocol

Housing at Non-standard Temperature

Active protocols with approved housing at non-standard temperatures are:

- Zebrafish at 33°C following human cell transplantation – 1 protocol
- Mice housed under cold stress or at thermo-neutral temperatures during metabolic experiments – 1 protocol

Others

- The IACUC approved housing infant monkeys (age 2 weeks to a body weight of 1 kg) in cages that meet floor space requirements but are only 24" high. These animals climb up well, but are not adept at climbing down. The lower cage height reduces the risk of injury if an animal should fall.
- The IACUC approved co-housing 4 juvenile nonhuman primates (up to 5 kg body weight) as a group in a Group 3 sized 4-cage rack with both vertical dividers and one horizontal divider removed. This innovative configuration meets the volume regulations for Group 3 animals and, while being shy of the floor area standard, provides the animals increased opportunity to express species-typical behavior.
- The IACUC approved scattering food on the floor of NHP housing compounds to minimize contamination and ensure access to food and foraging opportunities for all animals.

Concurrence Letters



FW
Lucas_Semiannual r



RE
Sullivan_Semiannua



RE
House_Semiannual I



FW
Robinson_Semiannu



FW
Stocking_Semiannu:



FW
Libby_Semiannual re



FW Van
Hooser_Semiannual



FW
Burich_Semiannual I



FW
Gordon_Semiannua



FW
Krasik_Semiannual r



FW
Elliott_Semiannual r



Re
Grue_Semiannual re



FW
Haskell_Semiannual



FW
Hotchkiss_Semiannu



FW
Schoenleben_Semia



FW
Muster_Semiannual

Minority Views

none