NWRC Semi-Annual Animal Facility Inspection Report

Site Visited: USDA/APHIS/WS/NWRC

Mississippi/Aquaculture Field Station

2745 West Line Road. Mississippi State University

Starkville, MS 39762

Date Inspected: October 3, 2018

Persons Performing Inspection: (b)(6)

Person Responsible for Animal Care at This Facility: (b)(6)

Areas Inspected: See attached checklists

Items Noted: See attached checklists

Significant Deficiencies Noted: None

Minor Deficiencies Noted: None

Deadline for Correction of Deficiencles: N/A

Comments:

- The current census was detailed as:
 - o 13 Great Egrets (QA-2808) being housed in the flight pens
- Flight pen netting needs repairs/replacement.
- SOPs need 3 year reviews completed.
- All animal areas looked very clean, orderly, and well maintained.
- No significant or minor deficiencies related to the facilities or the care and use of animals were noted.
- Facility construction, rooms/cages, enclosures, biosecurity, enrichment, outdoor housing, food, water, bedding, sanitation, waste disposal, pest control, weekend care, animal identification, recordkeeping, storage, personnel, cage wash, surgery, and pharmacy all appear to be acceptable and in good order.
- Overall, the entire facility appears to be in good condition, and the animals are adequately cared for. This facility appears to be in compliance with the USDA Animal Welfare Regulations and OLAW Assurance requirements.

Semi-annual IACUC Inspection Checklist: Facility-NWRC Mississippi Field Station

Date_	_10-3-18
1	Facility is structurally sound. Animal areas separate from personnel areas. Premises clean and repaired sufficient to protect the health of the animals.
2.	Electricity and potable water is reliable and adequate Washroom and sink available.
3 V	Indoor temperature, humidity, ventilation, illumination, and noise adequately controlled.
4 V	Outdoor housing offers security and protection from the weather, and roundup/restraint / procedures
5	Food and bedding stored to prevent mold, deterioration, contamination, or vermin.
6	Provisions for the collection, storage, and disposal of waste, bedding, trash, and dead animals.
7.	Sufficient means for identification of the animals, cages/pens, and their proper records
B. <u>V</u>	Animals visually checked and accounted for at least once a day, or by best practical means
9. 1	Sufficient space for postural and social adjustments with freedom of movement. Environmental enrichment provided as possible.
10.	Animals in same primary enclosure must be compatible or not close enough to cause discomfort
12.	Specialized space for food preparation. Food receptacles clean and sufficient.
13	Nutritive and uncontaminated feed appropriate for the species, age, and size. Feed at least once a day unless otherwise professionally practiced.
14,	Water provided ad libitum unless justified,
15.	Excreta removed as necessary (if hosed off, no direct spraying of the animal).
16.	Cages, rooms, and pens cleaned and sanitized with hot water and detergent, steam, or disinfectant. Dirt/gravel cleaned as directed by the Veterinarian. Suitable drainage.
17.	Program for safe and effective control of vermin, insects and parasites.
18.	Sufficient number of adequately trained employees. Supervisor must have background in animal care.
19.	Medical materials properly stored and not expired.
20.	Program of veterinary care (attending or consulting Veterinarian). Provisions for emergency, weekend, and after-hours access and care. Medical records maintained as necessary.
21. 🗸	Proper procedures for quarantine, biosecurity, and disease containment as necessary
22 V	Standard operating procedures for animal handling, maintenance, euthanasia, etc.
23_	Method to report deficiencies in animal care.
24 V	Approved protocols being followed as stated.

Semi-annual IACUC Inspection Checklist: Facility-NWRC Mississippi Field Station Date 10-3-18 Facility is structurally sound. Animal areas separate from personnel areas, Premises clean and repaired sufficient to protect the health of the animals. Electricity and potable water is reliable and adequate. Washroom and sink available. Indoor temperature, humidity, venlitation, illumination, and noise adequately controlled. Outdoor housing offers security and protection from the weather, and roundup/restraint 5. Food and bedding stored to prevent mold, deterioration, contamination, or vermin. Provisions for the collection, storage, and disposal of waste, bedding, trash, and dead animals. Sufficient means for identification of the animals, cages/pens, and their proper records. Animals visually checked and accounted for at least once a day, or by best practical means Sufficient space for postural and social adjustments with freedom of movement. Environmental enrichment provided as possible. 10. Animals in same primary enclosure must be compatible or not close enough to cause discomfort 12. Specialized space for food preparation. Food receptacles clean and sufficient. 13. Nutritive and uncontaminated feed appropriate for the species, age, and size. Feed at least once a day unless otherwise professionally practiced. Water provided ad libitum unless justified. 16. Excreta removed as necessary (if hosed off, no direct spraying of the animal). 16. Cages, rooms, and pens cleaned and sanitized with hot water and detergent, steam, or disinfectant. Dir/gravel cleaned as directed by the Veterinarian. Suitable drainage. Program for safe and effective control of vermin, insects and parasites Sufficient number of adequately trained employees. Supervisor must have background in animal 18. Medical materials properly stored and not expired. Program of veterinary care (attending or consulting Veterinarian). Provisions for emergency, weekend, and after-hours access and care. Medical records maintained as necessary. Proper procedures for quarantine, biosecurity, and disease containment as necessary Standard operating procedures for animal handling, maintenance, euthanasia, etc. 3p reviews threath be clear completel. Method to report deficiencies in animal care.

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	a 2 recent mortalities that were not related to experimental many	kela
	A	

Mississippi Field Station IACUC inspection

(b)(6) APHIS

Thu 9/6/2018 4:08 PM

(b)(6)

Good Afternoon (b)(6)

We have received permission to proceed with conducting an IACUC inspection at the Mississippi Field Station. As discussed, we would like to have the inspection completed while animals are housed at the facility. If I remember correctly, egrets will be housed at the facility through mid-October.

(b)(6)- I appreciate your willingness to help out with this inspection.

(b)(6) can you please coordinate with (b)(6) on an agreeable date to conduct the inspection.

Thank you in advance for your time and effort on this. Let me know how I can be of further assistance in accomplishing this task.

(b)(6)

(b)(6) DVM

USDA/APHIS/WS/National Wildlife Research Center | 4101 LaPorte Avenue | Fort Collins, CO 80521

3Rs for Animal Welfare - Replace, Reduce, Refine

9/13 Spoke w (D) (6)

Will of Sept 17th will be but up for the eget steedy. Filming a promotional video will the felt they would be too being to have the empechanthat week.

Week of Sept 24th he has All meeting on 25/26th best should be able to accomplate an inspection that afternoon glight on wednesday so would not need to stay 2 mights

Week of Oct 1st is open best concerned about spatish to policilist a advance due to fiscal year basics. The prefers this wilk ... because of Est activities.

Going to TWS & USAHA Study ends Oct 8th (may go a bit longs)

https://outlook.office365.com/owa/?realm=aphis.usda.gov&exsvurl=1&!I-cc=1033&modurl... 9/6/2018 2020-APHIS-03226-F #000030

MS Field Station IACUC inspection

(b)(6)

Thu 8/30/2018 12:00 PM

(b)(6)

(b)(6)

The records indicate that we have not performed an IACUC facility Inspection at the Mississippi Field Station since November 2017. I have reached out to (b)(6) and he indicated that they will have egrets on study through mid-October.

It is my suggestion that we look at sending (b)(6) over to participate in the inspection with (b)(6) She has provided some excellent feedback on study protocols since she joined the IACUC committee this spring. I think it will also be a great opportunity for her to observe animal care and husbandry at a different facility. She could also fill out a post-approval monitoring summary for the egret project while she is there. I believe the egrets are on (b) (5)

In my brief investigation of potential travel costs (Travelocity), airline tickets could be about \$200 cheaper for (b)(6) to fly from (b)(6) than one of us flying in from Denver. Alternatively, we could ask (b)(6) to drive, but it is a 9.5 hours from (b)(6) to Starkville.

Let me know if you would like me to proceed with scheduling an inspection at MS field station.

(b)(6)

(b)(6)

IACUC Chair (b)(6)

USDA/:APHIS/WS/Notional Wildlife Research Center | 4101 LaPorte Avenue | Fort Collins, CO 80521

3Rs for Animal Welfare - Replace, Reduce, Refine

RE: Field Station inspection



Thanks for the prompt response ... I will discuss this with (b)(6) when he returns on Sept 4th.

From (b)(6)

Sent: Thursday, August 23, 2018 10:12 AM

To (b)(6)

Subject: RE: Field Station inspection

We have great egrets in our building now and they will be with us until mid October. If you want to send (b)(6) that is fine with me. Thanks (b)(6)

(b)(6)
(b)(6)

NWRC Mississippl Field Station

(b)(6)

(b)(6)

662-325-8704 fax

_{From} (b)(6)

Sent: Thursday, August 23, 2018 10:59 AM

™(b)(6)

Subject: Field Station inspection

(b)(6)

My records indicate that we have not performed an Inspection at the Mississippi field station this year.

Can you please let us know what you have planned for animal work in the near future.

I am thinking about suggesting that (b)(6) be set over from the Florida field station to join you for an inspection—will that be acceptable to you?

(b)(6)

(b)(6) DVM

IACUCChair (b)(6)

USDA/APHIS/WS/National Wildlife Research Center | 4.101 LaPorte Avenue | Fort Callins, CO 80521

3Rs for Animal Welfare - Replace, Reduce, Refine

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omments:	Aviavy		vet	ucels	reflox	insi
nspector:	Fred Cunnin		o)	(6)	10-3-18	

NWRC Semi-Annual Animal Facility Inspection Report

Site Visited: USDA/APHIS/WS/NWRC

Outdoor Animal Research Facility (OARF)

Animal Research Building (ARB)

Invasive Species Research Building (ISRB). 4101 LaPorte Ave, Fort Collins, CO 80521

Date inspected: October 4, 2018

Persons Performing Inspection:

(b)(6)

Person Responsible for Animal Care at This Facility:

Areas Inspected: See attached checklists

Items Noted: See attached checklists

Significant Deficiencies Noted: None

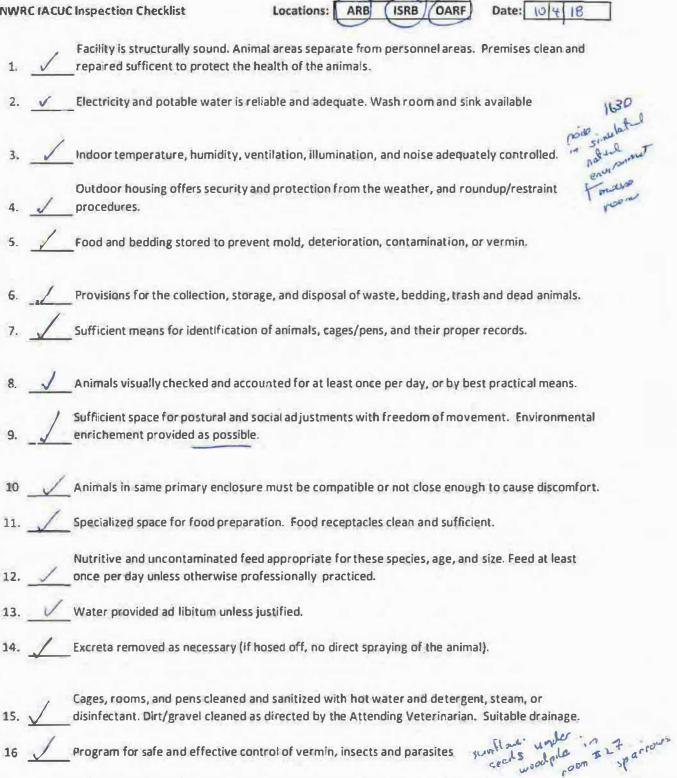
Minor Deficiencies Noted: None

Deadline for Correction of Deficiencies: N/A

Comments:

- The current census was detailed as:
 - o OARF housed 31 skunks, 57 raccoons, 9 mallards, 27 geese, 6 dogs and 50 sparrows
 - o ARB housed 20 ducks and 50 chickens
 - o ISRB housed 70 house mice
- Noise level in ISRB 163 should be investigated. Probably temporary due to steam repair.
- All animal areas looked very clean, orderly, and well maintained.
- No significant or minor deficiencies related to the facilities or the care and use of animals were noted.
- Facility construction, rooms/cages, enclosures, biosecurity, enrichment, outdoor housing, food, water, bedding, sanitation, waste disposal, pest control, weekend care, animal identification, recordkeeping, storage, personnel, cage wash, surgery, pharmacy, and imaging areas all appear to be acceptable and in good order.
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NWRC IACUC Inspection Checklist



Sufficient number of adequatley trained employees. Supervisor must have background in animal care.

Medical materials properly stored. No expired materials detected.

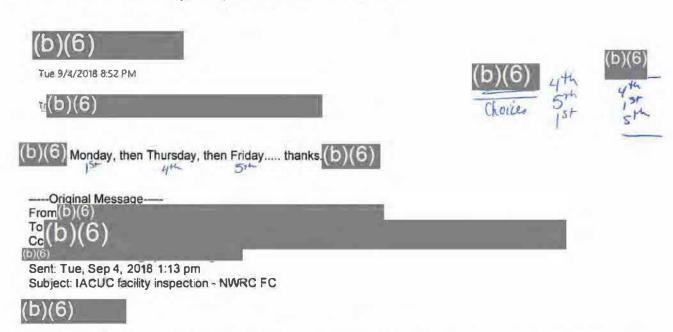
NWRC IACUC Inspection Checklist



1.		repaired sufficent to protect the health of the animals.
2.		Electricity and potable water is reliable and adequate. Wash room and sink available
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8.	1	Animals visually checked and accounted for at least once per day, or by best practical means.
9.	1	Sufficient space for postural and social adjustments with freedom of movement. Environmental enrichement provided as possible. * ok. Would be nice of mice of mice of the stand long term in ISRB and wheels, but they won't fit small move of carries. Animals in same primary enclosure must be compatible or not close enough to cause discomfort.
10	J	Animals in same primary enclosure must be compatible or not close enough to cause discomfort.
11.	N	Specialized space for food preparation. Food receptacles clean and sufficient.
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Re: IACUC facility inspection - NWRC FC



Thank you for agreeing to participate in the semi-annual facility inspection.

I have spoken with the animal care that would work for the animal care staff: ifind Oct 44 as date (9/1/18 emil get

Monday October 1st at 4pm

Thursday October 4th at 2pm

Friday October 5th at 11 am

Please rank these three dates/times in order of preference.

Thank you for helping us out with this IACUC requirement.

(b)(6)

DVM IACUC Chair

USDA/APHIS/WS/National Wildlife Research Center | 4101 LaParte Avenue | Fort Collins, CO 80521

3Rs for Animal Welfare - Replace, Reduce, Refine

offer thoughts on dogs?] Ack Management of con invite

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Weekly Animal Care Census - OARF

		Date	9/3	0/2018	10/	1/2018	10/2	/2018		3/2018		4/2018	10/	5/2018	10/	6/2018
				nday		onday		esday		nesday		ursday		iday		turday
3uilding	Protocol	Species	#	initials	#	initials	#	initials	#	initials	#	initials	#	initials	#	initial
8	7/5\ /5\ /5\ /5\ /7\/0\		_	// SV/(0)	-	77 HILL W. T. W.	0	77 HE W 2 - V		MENVICE N		MENVON				
9	(b) (5), (b) (7)(C)	Skunks	18	(p)(p)	18	(b)(6)	15	(b)(6)	15	(b)(6)	18	(b)(6)				
10	-// /- /- / / /- /- /- /- /- /- /- /- /-															
11	(b) (5), (b) (7)(C)	Canines	6		6		6		6	9	6					
12	71 3 75 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7															
13	(b) (5), (b) (7)(C)	Skunks	13		13 12		13		13		13					
14		Raccoons	12		12		12		12		12					
15		Raccoons	20		20		20		20		20					
16					1311											
17		17-1														
18				A PROVINCE		VI BOOK WAY						EL BOWE - N				
19	(b) (5), (b) (7)(C)	Raccoons	5	(b)(6)	5	(b)(6)	5	(b)(6)	5	(b)(6	5	(b)(6)				
20		Raccoons	30		20		20		20		20					
21A																
21B	(b) (5), (b) (7)(C)	Geese	27		27		27		27		2					
21C																
21D																
21E				VIBRAL-X		CI III WALL				THE WAY		CONTRACTOR OF THE PARTY OF THE				
21F	(b) (5), (b) (7)(C)	Mallards	9	(b)(6)	9	(b)(6)	9	(b)(6)	9	(b)(6)	9	(b)(6)				
22																
23																
24																
25																
26	THE WATER THE PARTY OF THE PART					VEW CV		7 100		(F-V/C)						
27	(b) (5), (b) (7)(C)	Sparrows	50	(b)(6)	50	(b)(6)	90	(b)(6)	50	(b)(6)	50	(b)(6)				
	Г	TOTALS	10	2x)	10	30	15	50	10	30	18					

Scent = 3 57 Nacross 279 Servel (portor SO

Weekly Animal Care Census - ARB

		Date	9/3	0/2018	10/	1/2018	10/2	2/2018	10/3	3/2018	10/4	1/2018	10/3	5/2018	10/	6/2018
			Sı	ınday	M	onday	Tue	esday		nesday	Thu	rsday	Fr	day	Sat	turday
Room	Protocol	Species	#	initials	#	Initials	#	initials	#	initials	#	initials	#	initials	#	initials
137C																
137D																
137E																
137F																
137G																
137H		DES														
152C	RW	Chickens							20	(b)(6)	20	(0)(0)				
154D	RO	Mallards	160	(b)(6)	16	(b)(6)	16	(p)(p)	16	FIFE	16					
156C										5						
160C	RK	Chickens	,u		14		14		14		14					
162D			X.													
164C																
157C																
159D																
161C																0
183C		Chickens														
185D	ev	Chicken					20	(b)(6)	20	(b)(6)	20	(b)(6)	- 31			
187D				1000		75				31 - 40 - M						
110D																
116D																
		TOTALS	3	0	100	0	5	<u>ට</u>	-	D						

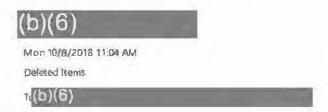


Weekly Animal Care Census - ISRB

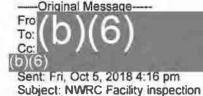
		Date	9/3	0/2018	10/	1/2018	10/	2/2018	10/	3/2018	10/	4/2018	10/	5/2018	10/	6/2018
			Su	nday	M	onday	Tu	esday	Wed	nesday	The	ursday	Fr	riday	Sa	turday
Room	Protocol	Species	#	initials	#	initials	#	initials	#	initials	#	initials	#	initials	#	initials
113																
114																-
115	V															_
140																
141																
146											NU	(b)(b)				
147	P.K	name and se							14	(0)(0)	N	i				
148	QA2861 RE/RM	House Mice	24	(b) (6)	24	(5)(6)	34	(P)(9)	74		74.	Ē				
149								1								
150																
151																
153													-			
159																
160																-
161				S 4												
163	QA2861 RE/RM	House Mice	23	(b)(6)	122	(b)(6)	- 7	(b)(6)	22	(b)(6)	77	(b)(d)				
		TOTALS		0	41		1.	0		N 11 14 1		D. W. R. V.			_	-



Re: NWRC Facility inspection



(b)(6) have reviewed and approve the report. Thanks (b)(6)

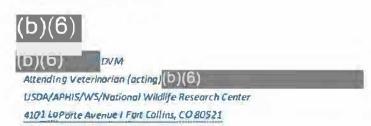


Thanks to all of you for your time and effort on the inspection yesterday.

I have summarized the inspection in the attached file. I will discuss those issues identified that are not deficiencies with the animal care staff (dog wts, dusty areas, staffing, mice enrichment, paint, etc.). Feel free to adjust as you see fit based upon your observations. let me know if you want me to scan your checklists to refresh your memories.

I think your signatures on the checklists will suffice so will file this along with the checklists $\underline{\text{with}}(b)(6)$ after you have reviewed and approved.

Have a great weekend.



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Animal Research Building (ARB)

Invasive Species Research Building (ISRB). 4101 LaPorte Ave, Fort Collins, CO 80521

Date Inspected: October 4, 2018

Persons Performing Inspection

(b)(6)

Person Responsible for Animal Care at This Facility:(b)(6)

Areas Inspected: See attached checklists

Items Noted: See attached checklists

Significant Deficiencies Noted: None

Minor Deficiencies Noted: None

Deadline for Correction of Deficiencies: N/A

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OKay (b)(6) 1 approve (b)(6)

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Major Def	iciencies Noted:
Minor Def	iciencies Noted:
Comments 1. It 10 1:M 2 50 m 2 50 m 3 Typo 4. Air facilit	was noted that Small rolants were Entering Bld 27, measures it incression advised chipped point observed on Entry gate of Avery 211, end respect. found in annal census (not office) record handling in RM 1630 of ISRB was unnaturally loud. Sugest
Inspectors	(b)(6) Date

19	Program of veterinary care (attending or consulting veterinarian). Provisions for emergency, weekend, and after-hours access and care. Medical records maintained as necessary.
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tio	ni.
Minor Defic	ciencies Noted:
	ciencies Noted:
Comments:	TSRB
-Nels	
PIPE	in lock Hoise is per was not present prior to
- Dus	ty conduit in walkin refrigerator in ARB (next
10 1	cosd prep
THE	dogs seem a little skings . I know this
or blen	dogs seem a little skinny . I know this Goldens Call, but what so the veti think?
01/21	rall, very impressed A/c is doing an amazing
	-) very impressed file is boing an amazing
705	
	Print Name
JUS Inspectors:	Print Name Date
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19	weekend, and after-hours access and care. Medical records maintained as necessary.
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	ciencies Noted:
Comments:	of tabilities and unional care is impressive
Inspectors:	Print Name Signature (b)(6) Date (b)(6)