

DEPARTMENT OF HEALTH & HUMAN SERVICES

PUBLIC HEALTH SERVICE NATIONAL INSTITUTES OF HEALTH

FOR US POSTAL SERVICE DELIVERY:
Office of Laboratory Animal Welfare
6700B Rockledge Drive, Suite 2500, MSC 6910
Bethesda, Maryland 20892-6910
Home Page: http://grants.nih.gov/grants/olaw/olaw.htm

FOR EXPRESS MAIL:
Office of Laboratory Animal Welfare
6700B Rockledge Drive, Suite 2500
Bethesda, Maryland 20817
Telephone: (301) 496-7163
Facsimile: (301) 402-7065

January 29, 2019

Re: Animal Welfare Assurance #A4564-01 (OLAW Case A]

Ms. Coulon
Associate Vice President for Administration
LSU Agricultural Center

(b) (4)
J.N. Efferson Hall
110 LSU Union Square
Baton Rouge, LA 70803-0106

Dear Ms. Coulon,

The Office of Laboratory Animal Welfare (OLAW) acknowledges receipt of your January 16, 2019 letter reporting an adverse event impacting animals at the Louisiana State University Agricultural Center Experiment Station, following up on an initial report on November 9, 2018. According to the information provided, OLAW understands that a fire occurred in an aquatics facility leading to the deaths of zebrafish, tilapia, and several other species of fish. The problem was compounded by a burst water pipe and lack of power to the fish tanks which caused mortality due to lack of oxygen. The fire investigator concluded that the cause was probably due to equipment failure.

After personnel were cleared to enter the building, surviving animals were placed in other tanks. The building is undergoing renovation and will have updated fire controls and alarms. The Institutional Animal Care and Use Committee (IACUC) found the satellite housing of the relocated animals to be appropriate.

Thank you for informing OLAW about this unfortunate incident and the steps taken by the institution in response. OLAW concurs with the actions taken by the IACUC to comply with the PHS Policy on Humane Care and Use of Laboratory Animals. Please inform this Office once the facility has been cleared for animal housing and describe in greater detail the alarm systems and how these alert staff to adverse environmental conditions. Thank you for keeping OLAW apprised on this matter.

Sincerely,

(b) (6)

Axel Wolff, M.S., D.V.M.
Deputy Director
Office of Laboratory Animal Welfare

cc: IACUC Chair

Final Report of LSU AgCenter Aquaculture Research Station Fire

- 1. Name of Institution: Louisiana State University Agricultural Center Experiment Station
- 2. Assurance Number: A4564-01 or D16-00792
- Reporting Requirement: This is not a report of noncompliance or suspension of an activity by the IACUC as described under PHS Policy, IV.F.3; however, it is a reportable incident according to NOT-OD-05-034 ("conditions that jeopardize the health or well-being of animals, including natural disasters, accidents, and mechanical failures, resulting in actual harm or death to animals).
- Preliminary Report: Preliminary report was submitted 11/9/2018 by
 (b) (6)
 (b) (6)
 via email to 'olawdco@mail.nih.gov' a response was received on 11/13/2018 from Axel Wolff, M.S., D.V.M., Deputy Director, OLAW.
- 5. Explanation of Incident: On Tuesday, November 6, 2018, the LSU AgCenter Aquaculture Research Facility suffered an accidental fire further complicated by a burst water pipe. The building was evacuated and the power was off. This building housed alligators and various fish species. Turtles were located in an unaffected outer building. The incident reports from the Baton Rouge and St. George Fire Departments are attached. According to the fire investigator, this was an "undetermined accidental fire probably due to equipment failure." It occurred sometime overnight when the building was unoccupied, and the smoke was reported as soon as someone arrived that morning. Upon arrival, the firemen located one room with extensive smoke, water, and fire damage. Personnel were not allowed into the building until the fire investigator completed his tasks. This prolonged period of no power caused an increase in temperature in the building and a lack of oxygen in the fish tanks. Animals dependent on increased oxygen in their housing units did not survive. The building is uninhabitable. As soon as the 'all clear' was given, faculty (PIs) and graduate students entered the building and began moving animals to other holding tanks on the property.
 - a. Species of animals involved:
 - Zebrafish Danio rerio (none survived)
 - ii. Alligators Alligator mississippiensis (all survived)
 - iii. Channel catfish Ictalurus punctatus (all survived)
 - iv. Tilapia Oreochromis niloticus (majority died, remainder moved)
 - v. Bluegill hybrids Lepomis macrochirus with L. cyanellus (half survived, moved)
 - vi. Bluenose shiners Pteronotropis welaka (all survived)
 - vii. Golden Topminnows Fundulus chrysotus (none survived)
 - viii. Alligator gar Atractosteus spatula survived, moved)
- 6. Corrective Actions: The equipment failure could not have been anticipated or prevented. The fire was accidental and resulted in the animal deaths. The building is being renovated and will have more up to date fire controls and alarms. Animals are being housed in outlying buildings on the station; these new housing areas were inspected by IACUC committee representatives on 11/16/2018 and found to be suitable for the species involved. PIs and graduate students are monitoring the animals as they were before the fire. The full committee received the preliminary report on 11/12/2018 and discussed the situation at the December 2018 meeting.

- 7. Grant/contract number: There are no relevant grants or contracts affected.
- 8. Impact on PHS-supported activities: No PHS-supported activities
- 9. Compliance with terms and conditions: Not applicable

Respectively submitted on January 16. 2019.

Ann Coulon, AgIACUC Institutional Official Associate Vice President for Administration LSU Agricultural Center acoulon@agcenter.lsu.edu

ec 10 18 08:10a BRFD Investigations &	& HM 5-354-1423 p.1
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Intersection Number/Nilspost Profi	x Street of Highway Street Type Suffix TON ROUGE State Zip Code y octions, as applicable
C Incident Type * [651 Smoke scare, odor of smoke incident Type P. Aid Given or Received *	E1 Date 5 Times Check boxes if Month Day Year Hr Min Sec deres are the Sharu sheaps required Date . Alarm # 11 06 2018 07:20:15
1 Notual aid received 2 Automatic aid rece. 3 Notual aid given 4 Nautomatic aid given 5 Other aid given N None	ARRIVAL required, unless canceled or did not arrive X Arrival * 11 06 2018 07:27:17 E 3
E Actions Taken * [86] [Investigate Frinary Action Taken (1) Additional Action Taken (2) Additional Action Taken (3)	G1 Resources * G2 Estimated Dollar Losses & Values Check this box and skip this section if on Apparatus or Parsonnel form is used. Apparatus Personnel Suppression
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J Property Use* Structures 131 Church, place of worship 161 Restaurant or cafetaria 162 Sar/favern or nightclub 213 Slemantary school or kindergarte 215 Sigh school or junior high 241 College, adult education 311 Care facility for the aged	341 Clinic, clinic type infirmary 342 Doctor/dentist office 361 Prison or jail, not juvenile 361 Electric generating plant 362 Electric generating plant 363 Rooming/boarding house 3649 Commercial hotel or motel 369 Residential, board and care 369 Nanufacturing plant 369 Residential, board and care 360 Non-residential parking garage
Outside 124 Playground or park 655 Crops or orchard 669 Forest (timberland) 807 Outdoor storage area 919 Dump or smitary landfill 931 Open land or field	936 Vacant lot 938 Graded/care for plot of land 946 Lake, river, stream 951 Railroad right of way 960 Other street 961 Righway/divided highway 962 Residential street/driveway 989 Construction site 984 Industrial plant yard 984 Industrial plant yard 984 Industrial plant yard 985 Industrial plant yard 986 Tookup and enter a Property Use code only if you have NOT checked a Property Use box: 987 Troperty Use 600 Industrial street/driveway 988 Ind., utility, defense,

K1 Person/Entity Involved Business name (if applicable)	Arta Code Fhone Number
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More people involved? Check this box and attach Supplemental For	as (MFIRS-15) as necessary
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location is a Ind., utility, defense, agriculture, min	ing, other. The incident was
determined to be a(n) Smoke scare, odor of smoke.	
07:27:17 arrived on scene.	
The following actions were performed on scene:	
Investigate	
Units responding were:	
Unit AR009 responded.	
Unit CH037 responded.	
Unit CH604 responded.	
Unit EG015 responded.	
Unit EG613 responded and took these actions:	
Cancelled en route	
Unit EG653 responded.	
Unit EQ091 responded.	
Unit FI081 responded.	
Unit FI084 responded.	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Eng 15 responded to the LSU Aquaculture building to fi	nd the building floor with about 2-3
and fire damage. The area where the fire began was out, out the room. We extinguished those fires and requested	a second pumper, aeriai truck, and a
T. Authorization	
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	or rank Assignment Month Day Year
Officer in charge ID Signature	
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Narrative:

On 11/06/2018 at 07:20:15 dispatched To 2410 BEN HUR RD /BATON ROUGE, LA 70820. location is a Ind., utility, defense, agriculture, mining, other. The incident was determined to be a(n) Smoke scare, odor of smoke.

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Unit EG015 responded.

Unit EG613 responded and took these actions:

Carcelled en route

Unit EG653 responded.

Unit E0091 responded.

Unit FI081 responded.

Unit F1034 responded.

ATOMIC COMMINS

A Secretary Stee child by

Eng 15 responded to the LSU Aquaculture building to find the building floor with about 2-3 inches of water. After searching rooms, we found a lab that had significant smoke, water, and fire damage. The area where the fire began was out, but there was a few hotspots through out the room. We extinguished those fires and requested a second pumper, aerial truck, and a district chief. After all fires were out we began a search throughout out the building. We didn't find any fire that spread to anywhere else in the building. I requested an investigator to further assist with fire. After they finished we continued to overhaul the room and turned the building back over to the staff on scene. Any other information can be obtained by the investigator's report.

11:04:52 all units back in service.

er Edition

A 17040 LA 11 06 Incident Date *	YYYY 2018 65 18-0008043 000 Change Basic Station Incident Number & Exposure & No Activity
B Location* Check this box to In Redula To Section 8	dicate that the address for this incident is provided on the Wildland Fire Condus Tract
Intersection Number/Hilapost Prefit In front of Baar of Apt./Suite/Room City	ton Rouge ILA 70820 -
C Incident Type *	E1 Date & Times Midnight is 0000 E2 Shift & Alarms
551 Resist police or other	Check hokes if detee are the same as Alarm always required Same as Alarm Alarm always required 2018 07:20:15 Shift or Alarm District
D Aid Given or Received *	ARRIVAL required, unless canceled or did not arrive
2 Automatic aid racv. 3 Mutual aid given 4 Automatic aid given 5 Other aid given N None	CONTROLLED Optional, Except for wildland fixes Controlled
F Actions Taken *	G1 Resources * G2 Estimated Dollar Losses & Values
92 Standby Frimary Action Taken (1) 701 Provide Manpower Additional Action Taken (2) 76 Provide water Additional Action Taken (3)	Check this box and skip this section if an Apparatus or Personnel form is used. Apparatus Personnel Property \$, 000, 000 Suppression 0009 0008 Contents \$, 000, 000 PRE-INCIDENT VALUE: Optional Other Check box if resource counts
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J Property Use* Structures 131 Church, place of worship 161 Restaurant or cafeteria 162 Bar/Tavarn or nightclub 213 Elementary school or kindergarten 215 Bigh school or junior high 241 College, adult education 311 Care facility for the aged 331 Bospital	341 Clinic, clinic type infirmary 342 Doctor/dentist office 361 Prison or jail, not juvenile 361 I lor 2-family dwelling 369 Business office 429 Multi-family dwelling 439 Rooming/boarding house 449 Commercial hotel or motel 459 Residential, board and care 464 Dormitory/barracks 519 Food and beverage sales 539 Rousehold goods, sales, repairs 579 Rousehold goods, sales, repairs 579 Motor vehicle/boat sales/repair 579 Motor vehicle/boat sales/repairs
Outside 124 Playground or park 655 Crops or orchard 669 Forest (timberland) 807 Outdoor storage area 919 Dump or sanitary landfill 931 Open land or field	936 Vacant lot 938 Graded/care for plot of land 946 Lake, river, stream 951 Railroad right of way 960 Other streat 961 Righway/divided highway 962 Residential streat/driveway

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The rest of this section. Business name (if Appl Description of this section). Check this box if same address ag incident location. Then skip the three duplicate address lines. Post Office Now	MI Lage Name Suffix
State gip Code	
of the building wanted the fire department to our arrival. We arrived on scene and st for five minutes or so with no communicati apparatuses to go do a "face to face" with building just outside the room where the f Engine 15 and Chief 37 and asked what they they had a fire in the lab portion of the water source if needed. I immediately adving Engine 653 which was lo acted away from an Chief 604 then arrived on scene and advise SCBA. Chief 604 also advised Chief 37 to proceed the strength of the scene and strength of the scene and advised SCBA. Chief 604 also advised Chief 37 to proceed the scene and strength of the scene and advised s	possible explosion over night and the occupants to investigate. BRFD was already on scene prior aged for an assignment. After sitting in the truck ons with BRFD, Engine 653 crew left the Chief 37. All members from BRFD were inside the ire originated. I spoke with the captain from had and if anything were needed. They stated that building and that we were only needed for an extra sed my crew to exit the building. We staged by y hazards. I notified Chief 604 of the matter. d us not to go back into the building without an ossible get BRFD Hazmat enroute to do air in staging outside the hazard zone until released
L Authorization	
0000 Signature	(b)(6) EG653 11 06 2018 Position of rank Adsignment Honth Day Year
Check Dow Ir 281 Same as Officer Member making report 1D signature in charge.	(b) (6) EG653 11 06 2018 Position or rank Assignment Month Day Year

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5 m EG613	Dispatch 11 6 Arrival	2018 07:52	x	Suppression Other	<u> </u>
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8 ID F1081	Dispatch 11 6 Arrival 11 6 Clear 11 6	2018 08:09 2018 08:46 2018 11:04	X	Suppression mas Other	
9 m F1084	Dispatch 11 6 Arrival 11 6 Clear 11 6	2018 08:09 2018 08:39 2018 11:04	x	0 Dis	
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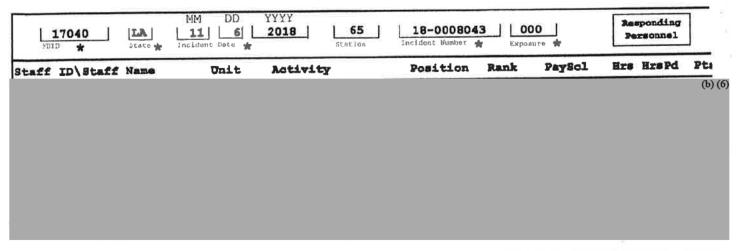
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TOTO State Incident Date	2018 65 station	18-0008043	Exposure	Responding Units/Personnel
Unit	Notify Time	Enroute Time	Arrival Time	Cleared Time
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Staff ID\Staff Name	Activity	Rank	Position	Role
,	AND THE RESERVE OF THE PARTY OF			
FI081 Fire Investigator	08:09:18		08:46:29	11:04:39
Staff ID\Staff Name	Activity	Rank	Position	Role
FI094 Fire Investigator	08:09:26		08:39:47	11:04:52
Staff ID\Staff Name	Activity	Rank	Position	Role

17040 LA 11 6	2018 65 Station	18-0008043	Exposure	Responding Units/Personnel
Unit	Notify Time	Enroute Time	Arrival Time	Cleared Time
AROO9 Aerial 9	07:42:47	07:46:02	07:52:53	11:02:03
Staff ID\Staff Name	Activity	Rank	Position	Role
CH037 District Chief 37	07:42:47	07:45:57	07:55:59	10:30:50
Staff ID\Staff Name	Activity	Rank	Position	Role
CH604 District Chief 604	07:52:07	07:53:55	08:21:46	10:04:02
Staff ID\Staff Name	Activity	Rank	Position	Role
(b) (6)	Emergency Respo	n District Fi	District Chi	District Chi
EG015 Engine 15	07:20:15	07:21:41	07:27:17	11:04:14
Staff ID\Staff Name	Activity	Rank	Position	Role
EG613 Engine 613	07:52:07	07:52:39		07:53:15
Staff ID\Staff Name	Activity	Rank	Position	Role (b)(6)
EG653 Engine 653	07;53:47	07:53:51		07:56:14
Staff ID\Staff Name	Activity	Rank	Position	Role (b



Total Participants: 8

Total Personnel Hours: 29.92

Wolff, Axel (NIH/OD) [E]

From:

OLAW Division of Compliance Oversight (NIH/OD)

Sent:

Friday, January 18, 2019 6:34 AM

To:

Coulon, Ann

Cc:

OLAW Division of Compliance Oversight (NIH/OD)

Subject:

RE: Reportable Incident

Thank you for this report, Ms. Coulon. We will send a response soon.

Axel Wolff, M.S., D.V.M. Deputy Director, OLAW

From: Coulon, Ann <ACoulon@agcenter.lsu.edu>

Sent: Thursday, January 17, 2019 3:13 PM

To: OLAW Division of Compliance Oversight (NIH/OD) <olawdco@od.nih.gov>

Cc: Elzer, Philip H. <PElzer@agcenter.lsu.edu>;

(b) (6)

Subject: Reportable Incident

Dear Director, Division of Compliance Oversight, OLAW

The LSU AgCenter Experiment Station, in accordance with Assurance A4564-01 or D16-00792 and PHS Policy IV.F.3., provides this final report regarding an accidental fire at the Aquaculture Research Station. Notice of this reportable incident was first sent to your office as a preliminary report on November 9, 2018. The final report as well as the two responding fire department reports are attached. This was not a case of noncompliance but an accident resulting in the death of some fish species housed in the facility.

Should additional information be required, please do not hesitate to contact me. Thank you for your time and consideration in this matter.

Ann Coulon

Associate Vice President for Administration

LSU Agricultural Center

(b) (4) J. N. Efferson Hall

110 LSU Union Square

Baton Rouge, LA 70803-0106

Phone

(b) (6) Mobile

(0) (0)

Fax

(b) (6) acoulon@agcenter.lsu.edu

<u>CONFIDENTIALITY MESSAGE</u>. Note: This e-mail contains PRIVILEGED and CONFIDENTIAL information intended only for the use of the specific individual or entity named above. If you or your employer is not the intended recipient of this e-mail or an employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any unauthorized dissemination or copying of this e-mail is strictly prohibited. If you have received this transmission in error, please immediately delete the message. Thank you.

- Name and contact information of person reporting
 - o Ann Coulon, Institutional Official
 - Associate Vice President for Administration
 - LSU Agricultural Center
 - o (b) (4) J. N. Efferson Hall
 - Baton Rouge, LA 70803-0106
 - Phone (b) (6) Mobile
 - (b) (6) acoulon@agcenter.lsu.edu Fax
- Name of institution
 - Louisiana State University Agricultural Center Experiment Station
- Assurance number
 - o A4564-01 or D16-00792
- Funding component and if contacted (for situations related to PHS-supported activities)
 - NO PHS-supported activities
- Brief description of incident (e.g., species, category of personnel involved, dates, times, animal deaths)
 - On Tuesday, November 6, 2018, the AgCenter Aquaculture Research Facility suffered an accidental fire further complicated by a burst water pipe. The building was evacuated and power shut off. This building houses alligators and various fish species. Turtles were located in an unaffected outer building. As soon as the 'all clear' was given, faculty (PIs) and graduate students entered the building and began moving animals to other holding tanks on the property. Due to loss of power, tanks suffered from a lack of oxygen and fish died. The building is uninhabitable. Exact numbers and species are being tabulated.
 - No alligators were lost
 - All zebrafish died due to the power loss to their aquatic life support housing unit
 - All surviving fish (catfish, tilapia, bluegill hybrids, etc) were moved to outer buildings.
- Plan and schedule for correction and prevention (if known)
 - o Still being formulated. Offices and labs will need to be temporarily relocated.
- Timeframe for final report from the Institutional Official
 - To be determined.



Office of Vice President for Agriculture

101 J. Norman Efferson Hall 110 LSU Union Square Baton Rouge, LA 70803-0106 (225) 578-4161 FAX: (225) 578-4143

> Dévelopment (225) 578-7360 FAX: (225) 578-4143

Governmental Relations (225) 578-4967 FAX: (225) 578-4143

Accounting Services 103 J. Norman Efferson Hall 110 LSU Union Square Baton Rouge, LA 70803-0106 (225) 578-4648 FAX: (225) 578-0735

February 8, 2018

(b) (6)

(b) (6)

Ag Leadership
106 Knapp Hall
110 LSU Union Square
Baton Rouge, LA 70803-0106
(225) 578-3659
FAX: (225) 578-5805

TO:

Ms. Ann Coulon

Associate Vice President for Administration

RE:

Institutional Official Authority for Animal Care

As the Chief Executive Officer of the Louisiana State University Agricultural Center (LSU AgCenter), it is my responsibility to ensure compliance in a number of areas including the appropriate care and use of animals in research, teaching, and extension. According to policy established in 1992, the LSU AgCenter complies fully with the Animal Welfare Act of 1966, as amended in 1990 to include farm animals, and with the Health Research Extension Act of 1985. We have an active Institutional Animal Care and Use Committee (IACUC) composed of agricultural research scientists, veterinarians, and local community residents.

As Associate Vice President for Administration, I am hereby delegating to you the responsibility of Institutional Official for animal care together with the authority to oversee compliance issues and to appoint members to the IACUC. This appointment became effective January 1, 2018.

cc: Phil Elzer

128 Knapp Hall 110 LSU Union Square Baton Rouge, LA 70803-0106 (225-578-2263 FAX: (225) 578-4524

Communications

Facilities Planning 210 J. Norman Efferson Hall 110 LSU Union Square Baton Rouge, LA 70803-0106 (225) 578-8731 FAX: (225) 578-7351

Human Resource Management and Diversity 103 J. Norman Efferson Hall 110 LSU Union Square Baton Rouge, LA 70803-0106 (225) 578-2258 FAX: (225) 578-8284

Information Technology I 18 Knapp Hall I 10 LSU Union Square Baton Rouge, LA 70803-0106 (225) 578-4020 FAX: (225) 578-3629

International Programs 160-C Hatcher Hall - 110 LSU Union Square LSU Box 16090 Baton Rouge, LA 70803-0106 (225) 578-6963 FAX: (225) 578-6775

Sponsored Programs and Intellectual Property 104 J. Norman Efferson Hall 110 LSU Union Square Baton Rouge, LA 70803-0106 (225) 578-6030

Wolff, Axel (NIH/OD) [E]

From:

OLAW Division of Compliance Oversight (NIH/OD)

Sent:

Tuesday, November 13, 2018 6:54 AM

To:

(b) (6)

Cc:

OLAW Division of Compliance Oversight (NIH/OD)

Subject:

RE: OLAW preliminary report of accidental fire at an animal facility - D16-00792

Thank you for this report, (b) (6) We will start a new case file and look forward to receiving the final report from the IO after the IACUC has completed its investigation.

Axel Wolff, M.S., D.V.M. Deputy Director, OLAW

From:

(b) (6)

Sent: Friday, November 09, 2018 2:09 PM

To: OLAW Division of Compliance Oversight (NIH/OD) <olawdco@od.nih.gov>

Cc: Coulon, Ann <ACoulon@agcenter.lsu.edu>; Elzer, Philip H. <PElzer@agcenter.lsu.edu> Subject: OLAW preliminary report of accidental fire at an animal facility - D16-00792

Dear OLAW

I am the secretary of the Louisiana State University Agricultural Center Experiment Station IACUC, OLAW assurance # D16-00792. Our IO and our IACUC chair are unavailable due to illness or travel, respectively. We have a new IO since our annual report was sent in last January; I attached her appointment.

We suffered a fire at an animal facility on Tuesday, November 6. I have attached the preliminary report as described in NOT-OD-05-034.

Please do not hesitate to contact me should you need more information at this time. Thank you. Sue



