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| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>( TYPE OR PRINT ) | 1. CERTIFICATE NUMBER: 56-R-0002<br>CUSTOMER NUMBER: 926 | FORM APPROVED<br>OMB NO. 0579-0036 |
| Clemson University<br><del>Department Of Research Service</del><br>Office Of Rsrch Compl<br>Box 345704<br>Clemson, SC 29634                                 |  |                                    |

**3. REPORTING FACILITY** ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS ( Sites ) - See Attached Listing

**REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )**

| A.<br>Animals Covered<br>By The Animal<br>Welfare Regulations | B. Number of animal<br>being bred,<br>conditioned, or<br>held for use in<br>teaching, testing,<br>experiments,<br>research, or<br>surgery but not ye<br>used for such<br>purposes. | C. Number of<br>animals upon<br>which teaching,<br>research,<br>experiments, or<br>tests were<br>conducted<br>involving no pain,<br>distress, or use of<br>pain-relieving<br>drugs. | D. Number of animals upon<br>which experiments,<br>teaching, research,<br>surgery, or tests were<br>conducted involving<br>accompanying pain or<br>distress to the animals an<br>for which appropriate<br>anesthetic, analgesic, or<br>tranquilizing drugs were<br>used. | E. Number of animals upon which teaching, experiments,<br>research, surgery or tests were conducted involving<br>accompanying pain or distress to the animals and for wh<br>the use of appropriate anesthetic, analgesic, or tranquiliz<br>drugs would have adversely affected the procedures, res<br>or interpretation of the teaching, research, experiments,<br>surgery, or tests. ( An explanation of the procedures<br>producing pain or distress in these animals and the reas<br>such drugs were not used must be attached to this report | F.<br>TOTAL NUMBER<br>OF ANIMALS<br><br>( COLUMN<br>C + D + E ) |
|---|--|---|--|--|---|
| 4. Dogs   |  |   | 2  |  | 2   |
| 5. Cats   |  | 4   |  |  | 4   |
| 6. Guinea Pigs  |  |   |  |  |   |
| 7. Hamsters   |  |   |  |  |   |
| 8. Rabbits  |  |   | 9  |  | 9   |
| 9. Non-human Primates   |  |   |  |  |   |
| 10. Sheep   |  |   | 11   |  | 11  |
| 11. Pigs  |  |   | 38   |  | 38  |
| 12. Other Farm Animals  |  | 35  |  |  | 35  |
| 13. Other Animals   |  |   |  |  |   |
| <i>WILDLIFE -</i>   |  |   |  |  |   |
| <i>BAT</i>  |  | 27  |  |  | 27  |
| <i>RODENT</i>   |  | 62  |  |  | 62  |
| <i>SQUIRD</i>   |  |   |  | 119  | 119   |

**ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual res teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

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| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL<br>( Chief Executive Officer or Legally Responsible Institutional Official ) |  |                                |
| S<br><br>AF<br><br>(b)(6), (b)(7)c  | [ NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL ( Type or Print ) | DATE SIGNED<br><i>11/20/08</i> |

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. CUSTOMER NO.  
**56-R-0002 926**

FORM APPROVED  
OMB NO. 0579-0036

**CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY**  
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)  
**CLEMSON UNIVERSITY  
OFFICE OF RESEARCH COMPLIANCE  
Box 345704  
CLEMSON, S.C. 29634**

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use this form.)

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report) | F. TOTAL NO. OF ANIMALS (Cols. C + D + E) |
|--|---|---|---|--|---|
| ARMADILLO  |   |   | 2   |  | 2   |
| OPOSSUM  |   |   | 3   |  | 3   |
| WOODCHUCK  |   | 2   |   |  | 2   |
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- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL


  
 (Type or Print) \_\_\_\_\_ DATE SIGNED **11/20/08**

PART 1 - HEADQUARTERS

(b)(6), (b)(7)c

## **Colum E Explanation**

Registration Number: 56-R-0002      Customer Number 926

Number of animals used: 119

Species (common name): Gray Squirrel

### **Explanation of procedure producing pain and/or distress:**

The purpose of this study is to investigate the effectiveness of field applications of two experimental contraceptive vaccines in the Gray Squirrel. One an oral application and, the second an injectable application.

### **Scientific justification why pain and/or distress could not be relieved.**

Pain and/or distress was not anticipated in this application, but because these are experimental drugs, it was unknown if pain and/or distress would be experienced by the test systems, therefore the protocol was entered into the E category.

### **Federal regulation followed for this procedure:**

This study is conducted following Good Laboratory Practice Standards, 40 CFR Part 160 and is in conjunction with, and under permit of, the USDA Wildlife Service's National Wildlife Research Center in Fort Collins, Colorado. A South Carolina Department of Natural Resources Scientific Collection Permit is in place for this work.