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This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 21:

See attached form for additional information.

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 55-R-0027
CUSTOMER NUMBER: 827

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Professional Lab & Research Services
1251 Nc 32 North
Corapeake, NC 27926

Telephone: (252) -465-8686

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. Animals Covered By The Animal Welfare Regulations	B. Number of animal 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 pain or distress to the animals an 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 wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reaso such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	64	477	30	0	507
5. Cats	68	158	0	0	158
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	10	99	0	0	99
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0

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.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE: [Redacted] DATE SIGNED: 24 NOV 08

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(8), which is obsolete.)

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Program of Animal Care and Use

Exceptions to the Standards

The Institution Animal Care and Use Committee has re-approved the following exception

to

9 CFR Part 3, Animal Welfare. Section 3.6, Primary Enclosures.

During an experiment mosquito infestation in which a "Gerberg-type collapsible aluminum cage" (or similar equipment), measuring ~2'x 2'x 2' is used, the space requirements for dogs is permitted to be less than the standard. It is anticipated that use of these cages will be limited to not more than a two-hour period for a single animal, and not more than once in a twenty-four hour period for a single animal. Additionally, it is anticipated that dogs will be under chemical sedation during this two-hour period.

The Institutional Animal Care and Use Committee has reviewed and re-approved the following exception to 9 CFR Part 3, Animal Welfare. Section 3.6 (a) (2) (x), Flooring in primary enclosures.

During flea ova collections and parasite pan counts, the solid resting surface provided to cats and dogs may be temporarily removed. When the collection/count procedure is completed, the resting surface shall be replaced as soon as possible.

The Institutional Animal Care and Use Committee has reviewed and re-approved the following exception to The Dog Exercise Plan at PLRS (9 CFR Part 3, Section 3.8)

The Exercise Plan may be amended when protocols require extended data collection periods. Over the course of an ~60 day study, dogs may stay in cages for up to 12 consecutive days, beyond which time the prevailing SOP's will apply.

Program of Animal Care and Use

The Institutional Animal Care and Use Committee has reviewed and re-approved the following exception to 9 CFR Part 3, Animal Welfare. Section 3.10, Watering.

During flea ova collections, an animal's water may be restricted as follows:

- 1- the night before the procedure, animals may receive a reduced amount of water, approximately 30-50 ml for cats, 75-150 ml for dogs, depending on size.
- 2- additional water need not be provided until completion of ova collection, at which time the animal shall receive a full bowl of fresh water.
- 3- no animal shall be deprived of water for more than 16 hours, unless part of a protocol procedure.
- 4- allowances (i.e. more water) must be provided for temperature or other extremes, and for animals housed outdoors.

The Institutional Animal Care and Use Committee has reviewed and re-approved the following exception to 9 CFR Part 3, Animal Welfare. Section 3.6. Primary enclosures requires that litter must be provided to contain excreta and body wastes in all cat cages. In the following instances the committee has approved the absence of the litter pans.

- 1- during the observation periods of flea and tick evaluations.
- 2- during ova collection periods.
- 3- during anthelmintic studies which require total or partial fecal recovery.

Program of Animal Care and Use

The Institutional Animal Care and Use Committee has reviewed and re-approved the following exception to 9 CFR Part 3, Animal Welfare Section 3.11 Paragraph D, Pest Control.

Background: Ectoparasite and insect standard testing procedures, including work with fleas, ticks, mosquitoes and roaches, are a key part of the research services performed at PLRS. Parts of the facilities must be maintained at conditions conducive to the survival of these insects/parasites and for colony rearing of these pests. As a result, pesticidal compounds must not be used, or used very cautiously and with limitations, in the facility.

Exception:

PLRS management may direct its "pest-control" program independent of the Standards. The program shall be approved by the Staff or Attending Veterinarian and will include non-insecticidal means for pest control (eg. bait jars, sticky papers).

The Institutional Animal Care and Use Committee has reviewed and re-approved the following exception to 9 CFR Part 3, Animal Welfare. Section 3.6, Primary Enclosures, Paragraph C, Additional Requirements for Dogs-Space.

Background: PLRS occasionally uses some larger dogs for certain studies, which are too large to be placed in PLRS's largest (3' x 4') cages. These animals are normally housed in outdoor or indoor runs (kennels) that exceed their floor space requirements. However, certain procedures require that they be housed, temporarily in cages, and indoors, where temperature and humidity must be controlled. Such procedures include flea and tick infestations, flea and tick pan counts or flea ova collections.

Exception:

Dogs may be placed in primary enclosures that do not meet the minimum floor space requirements, for the purpose of conducting routine ectoparasite procedures, with the following limitations:

- 1- cages must provide at least 60% of the floor space required by the Standard.
- 2- total time in such an enclosure shall not exceed 48 hours in one week.
- 3- the largest cages available (3' x 4') will be used.
- 4- the anticipation for the utilization of this exception shall be noted in the protocol, and its use shall be noted in the study records.