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**OMB APPROVED**  
0579-0036

Interagency Report Control No. 0180-DOA-AN

Fiscal year:

**UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE**

**Annual Report of Research Facility  
Column E Explanation**

*(TYPE OR PRINT)*

**This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §2.36). Failure to report according to the regulations can result in an order to cease and desist.**

**1. REGISTRATION NUMBER**

**2. Research Facility Headquarters address**

**3. Number of animals used in the study.**

114

**4. Species (common name) of animals used in the study.**

Little brown bat

**5. Explain the procedure producing pain and distress.**

Some bats in this study will develop white nose syndrome after challenge with *Pseudogymnoascus destructans*, a potentially fatal disease, via natural exposure. Sick bats will experience pain or itching from fungal lesions on their skin, electrolyte imbalance, dehydration, and starvation from loss of body fat due to increased time spent out of torpor during hibernation.

**6. Provide the scientific justification for not providing the appropriate anesthetics, analgesics, or tranquilizing drugs during procedures where the animal experienced accompanying pain or distress greater than momentary or slight.**

The purpose of this study is to determine if experimental vaccines protect bats from white nose syndrome and if bats with different exposure histories are less susceptible to WNS pathology. In order to examine these questions, allowing the animals to become severely ill with consistent pathology is required and this pathogen only affects hibernating bats. Awakening bats from torpor to assess them and provide treatment during hibernation would be more detrimental to the individual bats and the other bats with which they are hibernating, as that would further contribute to increased caloric needs and increased loss of body fat, which is a key part of the cycle of pathology of white nose syndrome.

**7. What, if any, Federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number, and the specific section number (e.g., APHIS, 9 CFR 113, 102):**

**Agency**

**CFR**