

### Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: \_\_\_\_\_
2. Number \_\_\_\_\_ of animals used in this study.
3. Species (common name) black-tailed prairie dog (129) and Gunnison's prairie dog (80) of animals used in the study.
4. Explain the procedure producing pain and/or distress.

Animals were vaccinated against plague or received a placebo and then challenged with virulent plague to evaluate vaccine efficiency.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see item 6 below)

The purpose of this research is to develop a protective vaccine for both the prairie dog and the ferret. The prairie dogs were utilized to test the efficacy of the plague vaccine. The end point for the experiment is discerning whether or not the control and treated animals have developed the signs and symptoms of the disease and/or if the vaccine has effectively prevented the disease from occurring. Therefore it is critical for the disease process to occur without the confounding effects of tranquilizing, analgesic or anesthetic drugs. Animals were euthanized as soon as the signs and symptoms of an infection were observed and confirmed.

6. 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 \_\_\_\_\_