

Ramsey, Amy J CIV USARMY RDECOM (US)

From: Ramsey, Amy J CIV USARMY RDECOM (US)
Sent: Thursday, August 25, 2016 2:59 PM
To: 'Wilson, Scott'
Subject: RE: RE: RE: [Non-DoD Source] NRC License No. 19-10306-01; Request for Additional Information; Amendment Letter dtd May 24, 2016; MC591138

Scott,

I got the answers:

- a. State whether the studies will be limited to small animals (e.g., rats, mice) or may also include larger animals (e.g., pigs, dogs, horses); small animals: rats, guinea pigs, rabbits and plastic animal respiratory models
- b. Describe the animal handling and housing facilities; Husbandry, feed/water provisions, and sanitation schedules will be carried out in accordance with SOP VServ 03 and the current edition of The Guide for the Care and Use of Laboratory Animals. Individual animal rooms are maintained at 70 degrees F with 30-70% relative humidity. Animal holding rooms are located away from administrative areas so noise and/or vibration is very controlled. Rooms are epoxy floored with floor drains, cement walls with wall mounted sprinklers for room wash-down. Caging is modular and species specific.
- c. State whether the studies will be part of veterinarian services and applied to pets or farm animals; Veterinarians are available 24/7 for any consultation or animal care/use questions, concerns, or matters. Animals participating in the studies are purchased from research animal supply companies and are not pets or farm animals.
- d. Describe the training animal caretakers will receive; All animal training is organized by Veterinary Services Branch and is species and requirement specific. All personnel on protocol will be trained appropriately on the animal, manipulations being performed, and on all chemical/radiological processes and procedures required by the Radiological Safety Office. That will include radiation safety training and dosimetry training.
- e. Describe the radiation dose monitoring you plan to implement for animal caretakers and researchers; Dose monitoring will be carried out in accordance with the NRC guidelines and regulations and those of the Radiological Safety Office. This will include dosimetry badges and rings.
- f. Describe the disposition of the animal after the research is completed; Animals will be kept in separate housing from which they came after exposure to a radiological source and will be euthanized and monitored for radiation before going out as biological waste. With such a short half-life they will be allowed to decay in storage before final biological waste disposal.
- g. Describe the radiation safety and dose reduction methods your staff will employ when using the material. Radiation measurements will be taken as soon as possible post-exposure to the radiological. Minimal doses for each animal and the overall objective of the study will be employed. No more than 10 mCi used per experiment. All experiments will take place in a chemical fume hood or glovebox.

Let me know if you have any further questions.

Thanks,

Amy Ramsey
ECBC RSO