



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

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Centers for Disease Control
and Prevention (CDC)
National Institute for Occupational
Safety and Health - ALOSH
1095 Willowdale Road
Morgantown, WV 26505-2888

DATE: August 12, 2014

RE: Mail Control No. 584272

Request for additional information for NRC License # 47-15279-01

1. This facility wishes to continue to be authorized for used of licensed materials for animal studies.

A: Description of the animal housing facilities:

The total square footage of the animal housing and support space is 10140 square feet. Species housed on site include mice, rats, and guinea pigs. The facility is maintained by nine full time staff members who include an attending veterinarian also designated as the Animal Facilities Director.

The central Animal Facility (AF) is a single-corridor barrier facility for rodents (mice, rats, and guinea pigs) which is separated from other areas by locked double-door entries. The barrier facility includes cage washing areas, rooms for autoclave and clean cage storage, food and bedding storage, equipment and supply storage, animal holding, procedures, surgery, and necropsy; an office, facilities for exposing animals by inhalation or other means, and rooms used as laboratories. Adjacent to the animal facility outside the barrier are elevators, bathrooms, shower and locker rooms, and a staff break room. An interstitial corridor (outside the barrier) for access to building equipment and maintenance runs the length of the east wing.

There are no cubicles. Most animals are housed in actively ventilated cages which provide secondary barriers or containment. These rack units supplied by Thoren and Lab Products take room air, pass it through a HEPA filter, and distribute the air to each cage. The exhaust is collected from the cages and is exhausted into the room or by flexible tubing directly from the room. Some animals are housed in static microisolator cages, on laminar air-flow racks, or in metabolic cages that collect excreta

Animals are delivered from the AF to laboratory areas if requested by research staff. The laboratories are in a contiguous building or the same building as the AF, so transportation uses indoor hallways and service elevators. Animals are moved within cages that have filter tops, food and water supplies in place; cages are moved on wheeled carts. Empty cages are returned by AF technicians to the cagewash facility, usually the same day. It is required that filter tops remain on cages at all times during transportation and delivery.

REC'D IN LAT 8-12-14

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NMSS/RGN1 MATERIALS-002

B: Copy of instructions provided to animal caretakers for handling of animals, animal waste carcasses, and cleaning and decontamination of animal cages:

All animal facilities staff must attend an annual Radiation Safety Awareness Training Course. This course covers the following: Morgantown Radiation Safety Committee membership, basic review of radioactivity/characteristics of ionizing radiation, exposure, ALARA, safety factors, security of radioactive material, required postings, radioactive packages and labeling.

At this time, licensed material is not utilized within the animal facility housing area. Animal caretakers do not handle animals or carcasses that have been administered licensed radioactive materials. In addition, animal caretakers do not handle cages utilized for housing of animals that have been administered licensed radioactive material.

The current process for use of licensed radioactive material in animal studies is for the animals to be checked out of the animal facility and moved to a lab labeled for radioactive material use prior to injection. The animals are injected with licensed material, sacrificed and euthanized within a 12 hour period. The animals are contained in their shoebox cages (without bedding to minimize waste) within the secure radioactive labeled laboratory. After they are euthanized, the carcasses are placed in bag and then stored in a radioactive labeled freezer in a secure radioactive labeled laboratory. The carcasses are later removed from the laboratory and taken to the Radiation Safety Office radioactive waste storage room and held in a freezer until time of disposal via waste contractor. The cages utilized for licensed material animal use are decontaminated with No Count or Rad Con and surveyed to confirm they are free from radiation after each procedure. These particular cages are used for licensed material animal use only, they are never returned to the animal holding facility.

2. We would like the license to remain in the same format as it is currently with the list of all approved isotopes in one line item and all authorized users in a separate line item.

Diane Miller is the correct spelling. CV submitted in renewal application is correct.

3. Both the Krypton 85 and Nickel 63 sources are used under the General License of their respective manufacturers. License amendment #23 removed Krypton 85 sources from our site license for use under the general license of TSI Incorporated. License amendment #34 removed Nickel 63 sources from our site license as it was determined that our Electron Capture Detectors are generally licensed.

Daniel A Browning
Management Operations Officer


Signature

8/12/14
Date