

A. Training for an Authorized User (AU)

1. Diagnostic Use of Radioactive Materials

Training for Authorized Users

To be an authorized user, a **veterinarian must have a license** from the State of Nevada to practice Veterinary Medicine **AND EITHER**.

(1) Be an authorized user for the veterinary diagnostic use of radioactive material under a Agreement State or U. S. Nuclear Regulatory Commission (NRC) license;

OR

(2) Be certified in Radiology or Radiation Oncology by the American College of Veterinary Radiology;

OR

(3) (a) Have completed a 40-hour radiation safety course that included.

(i) Radiation protection,

(ii) Mathematics and instrumentation pertaining to the use and measurement of radioactivity, and

(iii) Radiation Biology pertaining to both humans and animals; **AND**

(b) Have worked with an authorized user, who meets the requirements of A.1, in the hands-on treatment and follow-up of 3 cases involving the diagnostic use of radioactive materials.

In those 3 cases, the training must include the diagnosis, the administration of the radioactive material, the disposal of the radioactive waste materials and the following.

(i) Ordering, receiving, and unpacking safely the radioactive material and performing the related radiation surveys;

(ii) Quality control checking of instruments used to determine the activity of dosages and performing checks for proper operation of survey instruments;

(iii) Calculating, measuring, and safely preparing doses;

(iv) Using administrative controls to insure that the use of radioactive material is in accordance with the authorized user's directions and the licensee's procedures;

(v) Using procedures to contain spilled radioactive material safely and using proper decontamination procedures;

(vi) Administering the doses to the animals;

(vii) Caring for the animal safely after dosing; and

(viii) Disposing safely of radioactive waste materials, including the animals' excreta. **AND**

(c) Provide written attestation that the individual has satisfactorily completed the requirements of A.1. (3) and has achieved a level of competence sufficient to function independently as an authorized user for the uses authorized under A.1. The written attestation must be signed by a preceptor authorized user who meets the requirements in A.1, or equivalent Agreement State requirements. The preceptor authorized user, who meets the requirements in A.1. must have experience in administering dosages in the same dosage category or categories as the individual requesting authorized user status.

2. I-131 Radiopharmaceutical Therapy For Mammals (Therapy)

Training for Authorized Users

To be an authorized user, a **veterinarian must have a license** from the State of NV to practice Veterinary Medicine **AND EITHER**.

(1) Be an authorized user for the therapeutical use of I-131 for mammals under a Agreement State or NRC license;

OR

(2) Be certified in Radiology or Radiation Oncology by the American College of Veterinary Radiology;

OR

(3) (a) Have completed a 40-hour radiation safety course that included.

(i) Radiation physics,

(i) Radiation protection,

(ii) Mathematics and instrumentation pertaining to the use and measurement of radioactivity and I-131 administration, and

(iii) Radiation Biology pertaining to both humans and animals; **AND**

(b) Have worked with an authorized user, who meets the requirements of A.2, in the hands-on treatment and follow-up of three I-131 mammal radiopharmaceutical therapy cases. In those cases, the training must include the diagnosis, the administration of the I-131, the disposal of the radioactive waste materials and the following:

(i) Ordering, receiving, and unpacking safely the radioactive material and performing the related radiation surveys;

(ii) Quality control checking of instruments used to determine the activity of dosages and performing checks for proper operation of survey instruments;

(iii) Calculating, measuring, and safely preparing doses;

(iv) Using administrative controls to insure that the use of radioactive material is in accordance with the authorized user's directions and the licensee's procedures;

(v) Using procedures to contain spilled radioactive material safely and using proper decontamination procedures;

(vi) Administering the doses to the animals;

(vii) Caring for the animal safely after dosing; and

(viii) Disposing safely of radioactive waste materials, including the animals' excreta. **AND**

(c) Provide written attestation that the individual has satisfactorily completed the requirements of A.2. (3) and has achieved a level of competence sufficient to function independently as an authorized user for the uses authorized under A.2. The written attestation must be signed by a preceptor authorized user who meets the requirements in A.2, or equivalent Agreement State requirements. The preceptor authorized user, who meets the requirements in A.2. must have experience in administering dosages in the same dosage category or categories as the individual requesting authorized user status.

B. Training For Radiation Safety Officer (RSO)

1. Diagnostic Use of Radioactive Materials

To be an RSO, an individual must:

(1) Be an authorized user for the veterinary diagnostic use of radioactive material under a Agreement State, or NRC license;

OR

(2) Be certified in Radiology or Radiation Oncology by the American College of Veterinary Radiology;

OR

(3) (a) Have completed a 40-hour radiation safety course that included:

(i) Radiation protection,

(ii) Mathematics and instrumentation pertaining to the use and measurement of radioactivity; and

(iii) Radiation Biology pertaining to both humans and animals; **AND**

(b) Have worked with an authorized user, who meets the requirements of A.1, in the treatment of **3 cases** involving the diagnostic use of radioactive materials. In those cases the training must include the oversight and observance of the administration of radioactive materials and of the disposal of radioactive waste materials; **AND**

(c) Provide written attestation that the individual has satisfactorily completed the requirements of B.1. (3) and has achieved a level of competence sufficient to function independently as a Radiation Safety Officer for the uses authorized under B.1. The written attestation must be signed by a preceptor Radiation Safety Officer who meets the requirements in B.1, or equivalent Agreement State requirements. The preceptor Radiation Safety Officer who meets the requirements in B.1. must have experience in administering licenses in the same category or categories as the individual requesting Radiation Safety Officer status.

2. I-131 Radiopharmaceutical Therapy For Mammals

To be an RSO, an individual must:

(1) Be an authorized user for the therapeutical use of I-131 for mammals under a Agreement State or NRC license;

OR

(2) Be certified in Radiology or Radiation Oncology by the American College of Veterinary Radiology;

OR

(3) (a) Have completed a 40-hour radiation safety course that included:

(i) Radiation physics,

(ii) Radiation protection,

(iii) Mathematics and instrumentation pertaining to the use and measurement of radioactivity and I-131 administration, and

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- (iv) Radiation Biology pertaining to both humans and animals; **AND**
- (b) Have worked with an authorized user, who meets the requirements of A.2, in the treatment of **three (3) I-131** mammal radiopharmaceutical therapy cases. In those cases the training must include the oversight and observance of the administration of I-131 and of the disposal of radioactive waste materials; **AND**
- (c) Provide written attestation that the individual has satisfactorily completed the requirements of B.2. (3) and has achieved a level of competence sufficient to function independently as a Radiation Safety Officer for the uses authorized under B.2. The written attestation must be signed by a preceptor Radiation Safety Officer who meets the requirements in B.2, or equivalent Agreement State requirements. The preceptor Radiation Safety Officer who meets the requirements in B.2. must have experience in administering licenses in the same category or categories as the individual requesting Radiation Safety Officer status.