

## Preparing Animal Waste and Bedding Contaminated with Radioactive Material for Collection

### Standard Operating Procedure

Revision Date: 06/22/18

#### Labeling Tag

All bags of animal waste and bedding contaminated with radioactive material must have a completed "CAUTION RADIOACTIVE MATERIAL" tag attached to them.

The image shows two views of a yellow labeling tag. The left view is the front of the tag, titled "CAUTION RADIOACTIVE MATERIAL" and "RADIOACTIVE ANIMAL OR PATHOLOGICAL WASTE". It contains several fields for information: RADIONUCLIDE(S), ACTIVITY (mCi), AUTHORIZED USER, CONTACT PERSON (with a phone number field), DATE RADIONUCLIDE(S) ADMINISTERED, DATE WASTE PLACED INTO FREEZER, and DESCRIPTION OF WASTE (with a note: "[Dog, rat, mice, bedding, blood, etc.]"). At the bottom, it says "COMPLETE & SECURELY ATTACH THIS TAG TO OUTER YELLOW BAG". The right view is the back of the tag, titled "University of Michigan" and "Department of Environmental Health, Radiation Safety Services, 1025 Radio Building, 750-1000, 750-6200". It includes instructions: "Radionuclides are **RECORDED** to segregate & discard animal and other pathological waste according to the Radiation Safety Service (RSS) animal waste and disposal procedures." and "[Radioactive material, low specific activity (LSA-III), 7, UN311]". There is a "COMMENTS" section with a line for notes. Below that is a list of instructions: "Obtain authorization from RSS prior to using a radioactive designated freezer.", "Pathological waste must be sealed and use 'NOT REOPENABLE' vessels, syringes, needles, etc. or other sharps containers, sharps containers, plastic animal cages or metabolic cages.", "Caution & pathological material must be placed into (plastic, leak proof primary plastic bag) and sealed, sealed tightly with tape and placed into a secondary opaque bag.", "Primary waste bag is labeled with radioactive tape and the outer bag is labeled.", "Please refer to RSS for complete, updated and detailed requirements from the University of Michigan.".

#### Supplies Available through RSS

To order the following supplies, contact RSS at (734) 764-6200:

- Yellow bags
- Labeling tag

#### Procedure: Preparing Animal Waste and Bedding Contaminated with Radioactive Material for Collection

1. Place cage/pen waste (animal excreta and bedding) in the yellow leak-proof plastic bag provided by RSS.
2. Seal the bag tightly with "Caution Radioactive Material" labeling tape.
3. Complete and attach the "CAUTION RADIOACTIVE MATERIAL: RADIOACTIVE ANIMAL OR PATHOLOGICAL WASTE" tag on the bag with the following information:
  - RADIONUCLIDE(S)
  - ACTIVITY (mCi)
  - AUTHORIZED USER/INVESTIGATOR'S NAME
  - CONTACT PERSON AND PHONE NUMBER
  - DATE RADIONUCLIDE(S) ADMINISTERED
  - DATE WASTE PLACED INTO FREEZER
  - DESCRIPTION OF WASTE (SUCH AS DOGS, RATS, MICE, BEDDING, BLOOD)
  - COMMENTS
4. Place the bag in a freezer designated for animals containing radioactive material.
5. Call RSS at (734) 764-6200 for collection.

**NOTE:** RSS or OSEH Hazardous Material Management will collect and dispose of all forms of radioactive waste.