

# Declaration of Decay in Storage (DIS)

(Radioactive Waste with a Half-life  $\leq$  120 days)

RSO Form 176 (4/14)

Container Number

\_\_\_\_\_

DIS Storage Lab (Building and Room)

\_\_\_\_\_

## AUI Information

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

## Alternate Contact Responsible for Container

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

## Date of Last Item Added to DIS

(mm/dd/yyyy)

\_\_\_\_\_

## Projected Disposal Date (min of 10 t<sub>1/2</sub>)

(mm/dd/yyyy)

\_\_\_\_\_

## Nuclide(s)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Estimated Activity (mCi)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I (Print Name) \_\_\_\_\_ hereby certify:

- This waste container **does not contain** any radioactive labels or hazardous waste. It also **does not contain** any biohazards, sharps, or putrescible material unless it is being discarded through an approved program of biohazard/sharps waste disposal.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

# Final Disposition of Decay in Storage (DIS)

(Radioactive Waste with a Half-life  $\leq$  120 days)

RSO Form 176 (4/14)

**Container Number**

\_\_\_\_\_

**DIS Storage Lab (Building and Room)**

\_\_\_\_\_

**AUI Information**

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

**Alternate Contact Responsible for Container**

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

**Measured Background**  
(cpm)

\_\_\_\_\_

**Measured Count Rate of Waste Container**  
(cpm)

\_\_\_\_\_

**Nuclide(s)**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Original Estimated Activity (mCi)**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I (Print Name) \_\_\_\_\_ hereby certify:

- *At the time of disposal, the contents of this container have been surveyed with an appropriate meter and found to be indistinguishable from background levels of radiation.*
- *All radiation labels, markings, and wording has been obliterated from the waste containers.*

Signature: \_\_\_\_\_

Date of Survey and Disposal (mm/dd/yyyy): \_\_\_\_\_

Meter Used (Mfg, Model, and Serial Number): \_\_\_\_\_

**Instruction Sheet for RSO Form 176**

1. Container number is the unique identifying number associated with the decay in storage container. This number is the four digit Authorized Investigator (AUI) number, followed by the sequential two-digit number (starting at 01) of the containers put into storage that year, followed by the year. **For example**, if the AUI number is 535, the container is the first of the year, and the year is 2014, the container number would be 0535-01-2014. If you are unclear what the AUI number is, contact the AUI. If the AUI is unavailable, contact Radiation Safety at [radsaf@uw.edu](mailto:radsaf@uw.edu).
2. DIS Storage Lab is the lab where the decay in storage container will live until its final disposal. If the Radiation Safety Office is collecting the waste for DIS, write "RSO."
3. AUI Information is the Authorized Investigator responsible for the decay in storage container.
4. Alternate Contact Responsible for the Container is the individual responsible for preparing the DIS container.
5. Projected Disposal Date (page 1 only) is 10 half-lives of the longest lived radionuclide in the container from the time the last item was placed into the container.
6. Measured Background (page 2 only) is the background measured in counts per minute (cpm). This measurement should be taken far enough away from the DIS container and any other known sources to avoid elevating the background count rate.
7. Measured Count Rate of Waste Container (page 2 only) is the count rate of the DIS container in counts per minute (cpm). This must be indistinguishable from the measured background at the time of disposal.
8. Nuclides – Only nuclides with half-lives less than 120 days are acceptable for DIS.
9. At the time the container sealed for decay in storage:
  - a. Fill out Page 1; and
  - b. Place one copy on the outside of the DIS container.
  - c. If the container is being held for decay in the lab, send one copy to Radiation Safety at [radsaf@uw.edu](mailto:radsaf@uw.edu), or campus mail to RS at Box 354400.
  - d. If the container is being picked up by Radiation Safety, only one copy of Page 1 placed on the outside of the container is necessary.
10. If the container is being held for decay in the lab, at the time the container is disposed of:
  - a. Fill out Page 2; and
  - b. E-mail it to Radiation Safety at [radsaf@uw.edu](mailto:radsaf@uw.edu), or campus mail to RS at Box 354400.
11. If the container was sent to Radiation Safety for DIS, do not fill out Page 2.