

**DE MINIMIS QUANTITY VERIFICATION
ANIMAL CARCASSES**

RS-18
Jun. 2012

| | | | |
|-------|--|----------------------------|--|
| Date: | | RS Use Only, RS-ID Number: | |
|-------|--|----------------------------|--|

| | | | |
|--|------------|-------------|--------------------|
| Supervisor | | | |
| Radionuclide | H-3 | C-14 | Building |
| Total activity for this sheet (sum of column C) | μCi | | Room Number |

| Calculation to verify waste as de minimis waste | | | | | |
|---|--------------------------|---------------------------|----------------------|---------------------------------------|--|
| A. | B. | C. | D. | E. | F. |
| Carcass Number | Original Activity μCi | Remaining Activity μCi | Mass of Carcass g | Column C divided by Column D μCi/g | Any hazard or pathogen other than radioactivity? |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |
| 9. | | | | | |
| 10. | | | | | |

If any number entered in Column E is greater than 0.05 μCi/g then the carcass for that line is not de minimis and must be removed from the waste container and disposed of as “hot” waste.

If any answer in Column F above is “Yes,” provide the carcass number and associated hazards contained in that carcass.

| Carcass Number(s) | Additional Hazards |
|-------------------|--------------------|
| | |
| | |
| | |
| | |
| | |

Attach additional sheets if necessary.

Overview

The RS-18 is a single-page form to be used for the verification of de minimis status for Animal Carcasses containing ^3H and ^{14}C only. The form is to be completed and the original(s) attached to the outside of each container. If you have carcasses containing both ^3H and ^{14}C , list both in the space marked "Radionuclide," separating them with a comma. Continue through the calculations for each nuclide following the same convention. No parts of these instructions apply for decay-in-storage carcasses.

Completing the Form

In the first part of the form, simply complete as appropriate.

Complete the calculation section of the form, one line for each animal carcass. You should have a means of identifying each carcass to a specific line number on the form. Also, be aware that shrinkage is possible depending on freezer conditions; thus increasing the concentration of radionuclide to tissue mass.

If you do not know the remaining activity (column "C") you must use the original activity as stated in column "B." The results in column "E" must be less than or equal to $0.05\mu\text{Ci/g}$ in order to dispose of the animal carcass as de minimis. If the answer to "E" is greater than $0.05\mu\text{Ci/g}$ then you must dispose of the carcass(s) as a "hot animal carcasses". Hot animal carcasses can be scheduled for pickup using the HP Assistant web-based record keeping system. Otherwise there is no charge for the disposal of de minimis waste.

Be sure to list any other hazards that may be present (other than radioactivity) at the bottom of the form. Please remember to specify which hazard(s) applies to which carcasses. You can indicate multiple carcasses having a single hazard.

After completion of the form, schedule the waste pickup using the HP Assistant web-based record keeping system.