

**AMENDMENT TO APPLICATION FOR USE OF RADIOACTIVE MATERIALS**

***If your original form 7 ("Proposal to Use Radioactive Materials") application is greater than five years old, then you will need to fill out a complete form 7 which describes all current procedures involving radioactive materials.***

1) This amendment is to be used for (check all that apply):

- increasing possession limits for a currently approved isotope  
 adding a new isotope to be used in established procedures

*All other major changes generally require the preparation of a complete form 7 application. This amendment form must be typed and a total of **four (4)** copies submitted to Vanderbilt Environmental Health & Safety; keep one copy for your records. The statement of amendment should include: reasons why you find it necessary to amend the original application and any other pertinent information. Contact VEHS if you need any assistance completing the amendment form.*

2) Principal Investigator:

3) Title and Number of Application Being Amended:

4) Radioisotope Changes Requested:

Isotope	Half-life	Chemical/ Physical Forms	ALI (mCi)	Amounts Used				Possession Limit			
				Typical		Major Preps		Current		Requested	
				mCi	Frequency	mCi	Frequency	Activity (mCi)	No. of ALI's	Activity (mCi)	No. of ALI's

5) Statement of Amendment: **Describe in detail** any deviations from currently approved protocols. Include reasons for requesting higher limits or a new isotope. (Continue on reverse as needed.)

6) Data for the Evaluation of Radiation Exposure from Radioactive Material Use

A. Does your laboratory only use the radioisotopes listed below? [ ] Yes [ ] No

If yes, go to Part C.

If no go to Part B:  $^3\text{H}$ ,  $^{14}\text{C}$ ,  $^{33}\text{P}$ ,  $^{35}\text{S}$ ,  $^{36}\text{Cl}$ ,  $^{45}\text{Ca}$ ,  $^{51}\text{Cr}$ ,  $^{55}\text{Fe}$ ,  $^{63}\text{Ni}$

B. Please list all radionuclides used in your laboratory and complete the table below for each radionuclide.

Radionuclide/Procedure	Stock vial Activity (mCi)	Max. activity introduced into the experiment (mCi)	*Total time spent handling radionuclide (minutes)	Frequency (time/year)

*\*Time spent handling radioactive material introduced into the experiment.*

C. Please list other uses of ionizing that your staff may be exposed to as a part of their duties (i.e., irradiators, x-ray equipment, accelerators, brachytherapy patients, etc.)

7) Laboratories where isotopes will be used and stored: \_\_\_\_\_  
 (For laboratories which are not already posted, complete form 7a.)

Signed (by PI): \_\_\_\_\_ Date: \_\_\_\_\_

\*If you need a current copy of the ALL's, or shielding information, copies of the Radiation Safety Policies & Procedures Manual and the Radiation Safety Reference Manual are available on our web site at [www.safety.vanderbilt.edu](http://www.safety.vanderbilt.edu).