

**Form 101 – Application for Use of Ionizing Radiation**

(Use additional sheets as necessary.)

**Instructions:** Submit all enclosures to the Radiation Safety Officer (RSO): Environmental Health & Safety (Mail Code 8284). Notify the RSO of any proposed changes in the information contained in this application.

1. Applicant: \_\_\_\_\_ Title: \_\_\_\_\_  
 Department: \_\_\_\_\_ Mail Code: \_\_\_\_\_  
 Campus Phone (Office): \_\_\_\_\_ Campus Phone (Lab): \_\_\_\_\_

2. Description of proposed use:

3. Names of All Others in Project (designate employee [E] or student [S]):

(Note: Attach a "[Statement of Training & Experience](#)" form for each individual who will actually use source(s) of ionizing radiation.)

4. Buildings and rooms to be used:

Building:	Room:	Type of Use:
_____	_____	_____
_____	_____	_____
_____	_____	_____

(Note: Attach a diagram of each room to be used, indicating areas where radioactive materials will be stored, used, and waste areas.)

5. Description of radioactive materials to be used:

Nuclide	Chemical Form	Physical Form	Maximum mCi/Expt.	Maximum mCi/Purchase	Maximum mCi/Year
_____	_____	sealed/unsealed	_____	_____	_____
_____	_____	sealed/unsealed	_____	_____	_____
_____	_____	sealed/unsealed	_____	_____	_____
_____	_____	sealed/unsealed	_____	_____	_____
_____	_____	sealed/unsealed	_____	_____	_____

6. Description of Radiation-Producing Machines to be Used:

Type	Maximum kV	Maximum mA	Manufacturer/Model #
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

7. Duration of Experiments: \_\_\_\_\_

8. Frequency of Experiments: \_\_\_\_\_

9. Description of protocol for use of each radioisotope, including typical lab procedures to be utilized. If animals or plants are to be used, please identify the amounts of radioactivity to be administered to each organism, type of organism, number of organisms per experiment, per month, and per year:

10. Description of radiation monitoring instrumentation, lab facilities, precautions to be employed to control contamination of personnel (i.e., types of protective clothing), and the laboratory and to minimize personnel radiation exposures (i.e., fume hood, types of shielding, remote handling techniques, isotope storage areas, animal housing).

11. Potential releases to the environment (i.e., evolution of gases, aerosols, or volatilization of any compounds).

12. Estimation of annual radioactive waste volumes (specify solid, aqueous liquid, organic liquid, scintillation vials, etc.) and description of waste disposal methods (address such issues as animal disposal, volatile compounds, pathogenic agents, or carcinogens, as applicable).

13. I hereby certify that all information contained in this Application, including any attached supplements, is true and correct to the best of my knowledge:

**Applicant Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Department Chair Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_