



17. Identify any other hazards associated with your project other than radiation and outline how these hazards are controlled (e.g., electrical, toxic material, carcinogenic material, etc.)

**Section IV C Physical Controls**

18. Protective equipment to be used

- respirator
- gloves
- coveralls
- lab coat
- shoe covers
- boots
- full face respirator
- trays
- absorbent paper
- glove box
- fume hood
- HEPA filters on hood exhaust

19. Laboratory diagram [identify all radiation Control Area(s), Radioactive Material Areas, etc.]

20. Any other special control requirements

21. Radiation dosimetry required  yes  no  
type:  ring  
 body  
 wrist  
 area

22. Describe type and frequency of area and personal monitoring to be conducted during operation (i.e., monitor with survey meter at end of each workday for surface contamination, swipe test of each work surface at end of project, consult Chapter 5 of NREL's RadCon Manual).

23. Describe any other aspect of your project which you believe is significant. Include the type (solid, liquid) of Rad waste to be generated and anticipated volume, radiation type (C-14, etc.), methods for collecting and storing in the lab, and any waste minimization practices to be followed.

**Section V C Approvals**

24. I have reviewed this SOP and authorize the requester to conduct the necessary work to complete the project as outlined in this SOP. All work involving the specified radiation source must be carried out in laboratory(ies) \_\_\_\_\_ within the time frame specified and in compliance with NREL's RadCon Manual. This SOP is approved from \_\_\_\_\_ to \_\_\_\_\_.

This SOP is approved for the specified quantity of radioactive material (in Ci) \_\_\_\_\_. Any request for additional radioactive material to be used in the procedures specified in this SOP must be approved by the Center Director and ES&H Office Director.

Approval signatures:

Requester/date: \_\_\_\_\_

Center Director/date: \_\_\_\_\_

Radiological Control/ALARA Chairperson/date: \_\_\_\_\_

ES&H Office Director/date: \_\_\_\_\_

Radiological Control/ALARA Panel may be used to review and approve radiation SOPs depending upon the nature of the research and radioactive material proposed for use. The ES&H Office Director makes this determination.

25. Authorized Radioactive Material/Equipment User Signatures  
As an authorized radioactive material/equipment user, my signature indicates that I have read, understand, and will comply with the requirements of this Rad SOP, NREL's RadCon Manual, and I have completed the required NREL radiation safety training courses.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

**Section VI C Final Work Area Release**

26. Swipe sample of work surface(s)

Location/result in dpm/100 cm<sup>2</sup>: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name of surveyor: \_\_\_\_\_

Survey instrument used: \_\_\_\_\_

27. Radiation survey of work area

equipment used \_\_\_\_\_ last calibration \_\_\_\_\_

scale setting \_\_\_\_\_

meter reading/location:

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

d. \_\_\_\_\_

e. \_\_\_\_\_

Name of surveyor: \_\_\_\_\_