

**P** rincipal Investigators (PIs) that use radioactive materials (RAM) as a part of their research are required to obtain a Radiation Use Authorization (RUA) permit. Review/approval of an application to use RAM is conducted by the Radiation Safety Committee (RSC) and EH&S. An approved permit enables the PI to purchase and use RAM in research.

NOTE: Any research involving the use of RAM with patients requires the review and approval of both the RSC and the Institutional Review Board (IRB) before work can commence. Any research involving the use of RAM with animals requires the review and approval of both the RSC and the Institutional Animal Care and Use Committee (IACUC).

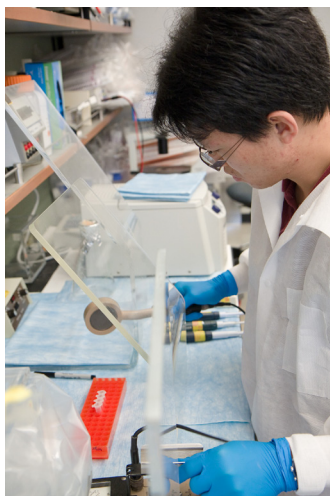
All users of radioactive material on the permit must follow USC policies for the control of RAM and complete all applicable [EH&S safety training](#).

## USER DEFINITIONS

**Authorized User** is a trained and experienced faculty member that is qualified to supervise the use of RAM at USC.

**Permit Holder** is an Authorized User that is granted a RUA permit. NOTE: Only one Authorized User will be designated as the Permit Holder for shared core facilities.

**Technical Staff** are individuals that work with RAM under the direct supervision of the Permit Holder or an Authorized User. Students and minors may be added to a permit under a separate category.



## APPLICATION FOR RUA WITH RAM

Access the RUA application in [iStar](#)<sup>1</sup> under the "Radiation Safety" tab. For a RUA permit with RAM, complete all fields with the following information:

- List all Authorized Users including the Permit Holder and Technical Staff.
- Include the following for Authorized User/Permit Holder:
  - ◊ Curriculum Vitae (CV) for each Authorized User.
  - ◊ Letter of recommendation from the Radiation Safety

## WHAT I NEED TO DO...

- Submit the Radiation Use Authorization (RUA) permit application for use of RAM through [iStar](#).
- Include a letter of recommendation from my last institution as well as a CV for each Authorized User listed in my application.
- Ensure that all users complete General Laboratory Safety and Radiation Safety training courses.
- Contact [radsafety@usc.edu](mailto:radsafety@usc.edu) or (323) 442-2000 for more information.

Officer of the last institution where authorization for radioactive materials usage occurred.

- List all locations where radioactive materials work will occur. Attach a map of each location; indicate areas where radioactive materials will be stored/used/disposed of.
- Describe RAM that will be used, including: chemical and/or physical form; quantity (millicuries) used per procedure; total possession limit (millicuries); and the proposed use. All RAM must be listed, including internal sealed sources and calibration standards for liquid scintillation counters.
- List all portable and non-portable instrumentation used for the performance of contamination surveys.
- Attach descriptions of the frequency and methods used for routine contamination surveys, waste disposal procedures, laboratory-specific safety, and emergency procedures.

Additional information may be requested by Radiation Safety after submission on [iStar](#). The Radiation Safety Committee meets on the second Thursday of every month. Completed applications are reviewed the following month after submission.

## REFERENCES

USC Radiation Safety Manual (<http://tiny.cc/rad-safety-manual>)  
Safety Training (<http://ehs.usc.edu/training/>)

<sup>1</sup> A web-based routing and tracking system for research project/protocol review and approval