

APPLICATION FOR USE OF RADIOACTIVE MATERIALS

(For assistance, please contact EHS at (402) 472-4925, or visit our web site at <http://ehs.unl.edu/>)

Please follow these instructions when completing the Application For Use Of Radioactive Materials form. This form must be completed when applying for any new radioisotope project.

Upon review and approval of this application, the UNL Radiation Safety Committee will issue an Authorization For Use Of Radioactive Materials.

1. **Radioactive Material Data:** Include radionuclide and total possession (in millicuries), to be allowed in laboratory at any one time and chemical and physical forms that will be utilized.
2. **Training Information:** List all radiation workers that will be working under the authority of the applicant.
3. **Radiation Detection Instrument Data:** All radiation detection equipment utilized for surveys and sample counting must be appropriate for the radionuclides used. Listing must include liquid scintillation counter (LSC) used to count survey and research samples, listing of "shared" LSC is acceptable.
4. **Facilities and Equipment:** A description/diagram of each location of use must include the following items.
 - a. **Fume Hood:** Indicate fume hoods utilized for radiochemicals.
 - b. **Work Areas:** Designate all possible radiochemical work areas.
 - c. **Laminar Flow Hoods:** Indicate any laminar flow hoods used for radiochemicals. These hoods are generally not acceptable for use of airborne radioactive material because of discharge and airflow patterns.
 - d. **Storage Locations:** Describe all areas, including refrigerators/freezers, used to store isotopes.
 - e. **Sinks:** Include all sinks (including cup sinks in fume hoods) that will be designated for radiochemicals.

5. **Radioactive Waste Management:** Estimate approximate waste volumes that will be routinely generated.
6. **Procedure(s):** Detailed description of all procedures utilizing radiochemicals must be included with application. Inadequate descriptions will be returned for additional information and may delay final approval.

Submit completed to applications to Environmental Health and Safety by e-mail (rso@unl.edu) or by campus mail to the following address:

Environmental Health and Safety
University of Nebraska-Lincoln
3630 East Campus Loop
Lincoln, NE 68583-0824

Please ensure that all requirements are completed when application is submitted. If you have any questions, please do not hesitate to contact Environmental Health and Safety at (402) 472-4925 or (402) 472-2157.