

**APPLICATION FOR NUCLEAR SUBSTANCE USER PERMIT**

1. a) Principal Investigator: \_\_\_\_\_
- b) Department: \_\_\_\_\_
- c) Phone #: \_\_\_\_\_
- d) E-Mail: \_\_\_\_\_

2. Previous experience in nuclear substance work by applicant:

\_\_\_\_\_

3. List all rooms where nuclear substances will be used or stored:

\_\_\_\_\_

4. Description of nuclear substances required:

***Unsealed sources:***

Nuclear Substance	Maximum amount to be used or stored at any time (SI units)	Anticipated annual use (SI units)

***Sealed sources:***

Nuclear Substance	Activity (SI units)	Serial #	Model

5. Primary use of nuclear substances:

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

6. Instrumentation (include survey meters, LS counters,  $\gamma$  counters)

Manufacturer	Model	Serial #

7. List of nuclear substance workers (attach separate sheet if necessary)

Name	Position	Previous Radiation Safety Training (note institution and date)

8. Name another qualified person who will assume responsibility for your permit during any leave of more than 14 days that you might take. You are required to advise the Radiation Safety Office when taking an extended or sabbatical leave:

\_\_\_\_\_

9. The applicant warrants the statements contained herein and agrees that the nuclear substances supplied against this application *shall* only be used for the purpose and in the manner authorized by the Dalhousie University Radiation Safety Committee.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Department Head: \_\_\_\_\_

## **NUCLEAR SUBSTANCE USER PERMIT PRINCIPAL INVESTIGATOR RESPONSIBILITIES**

An authorized **principal investigator** is a professional staff member who has been authorized by the Radiation Safety Committee to use nuclear substances and to supervise the use of these materials by others, specifically graduate students, grant paid employees and university paid employees. The authorized **principal investigator** is responsible for ensuring that individual user responsibilities are discharged by those using nuclear substances under his/her direction and that such users have been apprised of the risks associated with the use of nuclear substances.

### **THE PRINCIPAL INVESTIGATOR SHALL DO THE FOLLOWING:**

1. Assure compliance with the following Dalhousie University policies:
  - a) ALARA policy
  - b) Bioassay policy
  - c) Compliance Enforcement policy
  - d) Handling Animals Injected with a Nuclear Substance policy
  - e) Prenatal Radiation Exposure policy
  - f) Purchasing policy
  - g) Radioactive Waste Disposal policy
  - h) Record Keeping policy
  - i) Security policy
  - j) Termination of Use policy
  - k) Training policy
2. Determine the type and amount of a nuclear substance to be used and develop appropriate safety procedures in consultation with the Radiation Safety Officer.
3. Instruct individual users under his/her supervision in practices for safely working with nuclear substances and ensure that individual users under his/her supervision who will be working in areas where nuclear substances are used or stored attend appropriate Radiation Safety Training sessions.

4. Promptly inform the Radiation Safety Officer of any personnel changes, procedural changes or equipment alterations that might affect radiation control or personnel exposures.
5. Ensure that service personnel are not permitted to work on equipment, fume hoods, or sinks in areas where nuclear substances are used or stored without clearance from the Radiation Safety Office.
6. Comply with all conditions of the Nuclear Substance User Permit issued in his/her name.
7. Comply with the terms of Dalhousie University's "Radiation Safety Program, Policy and Procedure Manual".
8. Comply with the Canadian Nuclear Safety Commission's poster INFO - 0142 - 1 Rev.3, "**Radioisotope Safety, Basic Laboratories** "

I have read, understand and agree to comply with the above.

\_\_\_\_\_  
**Signature of Principal Investigator**

\_\_\_\_\_  
**Date**

Date received by Radiation Safety Office: \_\_\_\_\_

Date approved as Principal Investigator: \_\_\_\_\_  
Date Initials ( RSO )