

# NATIONAL CANCER INSTITUTE AT FREDERICK

## IRRADIATOR PROGRAM RENEWAL APPLICATION

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All Principal Investigators are required to renew their Radiological Programs on a periodic basis. In an attempt to facilitate the program's renewal effort, the Radiation Safety Office will compile and supply pertinent information regarding each Radiological Program to all approved Radiological Program Principal Investigators.

Each Principal Investigator shall review the provided information and make any appropriate changes on the application form. After these changes have been made, please send a dated and signed **hard copy** of the application form to the Radiation Safety Office. **In addition, dated documentation of successful completion of the Indoctrination Training Session must be submitted for each individual on the program.**

**The Renewal Application form and documentation of training for each individual will constitute the program's Radiological Program Renewal Application.**

If any assistance is needed in this matter, please contact the Radiation Safety Office at extensions 1902 or 5730.

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| <b>Project:</b>                              |
| <b>Radiological Program Number:</b>          |
| <b>Principal Investigator:</b>               |
| <b>Radiological Area Supervisor:</b>         |
| <b>Date of Radiological Program Renewal:</b> |



**Irradiator Information**

Uses:

Manufacturer: \_\_\_\_\_  
Model: \_\_\_\_\_  
NIH#: \_\_\_\_\_  
Serial#: \_\_\_\_\_  
Isotope: \_\_\_\_\_  
Initial Activity: \_\_\_\_\_  
Reference Date: \_\_\_\_\_

**Training**

**It is the responsibility of the Principal Investigator and/or Radiological Area Supervisor to oversee and document the training of specific laboratory procedures for laboratory personnel. Use of an irradiator prior to successful completion of training provided by the Radiation Program’s Principle Investigator or Area Supervisor is prohibited. Dated documentation of successful completion for all authorized users must be kept on file for review.**

**Irradiator Location**

| <b>Building</b> | <b>Room</b> |
|-----------------|-------------|
|                 |             |
|                 |             |
|                 |             |

**Radiation Monitoring Equipment**

All procedures will be performed to keep exposure As Low As Reasonably Achievable (**ALARA**). All personnel using the irradiator will ensure that the room monitor is working prior to turning the unit on and will follow the **Operations and Emergency Procedures Manual**.

Please provide the Radiation Safety Office with a current and accurate list of meters (e.g., Geiger Counter) used for monitoring the irradiator. Include the model number, serial number and NIH number (when possible).

| <b>MONITORING EQUIPMENT</b> |                 |             |
|-----------------------------|-----------------|-------------|
| <b>Model</b>                | <b>Serial #</b> | <b>NIH#</b> |
|                             |                 |             |
|                             |                 |             |
|                             |                 |             |
|                             |                 |             |

**Radiation Safety Precautions To Be Used**

All irradiator procedures will be conducted in accordance with the NCI-Frederick ALARA program. Appropriate safety equipment and personal protection equipment will be used.

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*(Principal Investigator's Signature)*

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*(Date)*