NATIONAL CANCER INSTITUTE AT FREDERICK
X-RAY PROGRAM APPLICATION

The required information for the establishment of any new X-ray Producing Machine program can be supplied in the following document. This document has been created to simplify and to expedite the radiation application process by ensuring that all pertinent information as outlined in the *Radiation Safety Manual* is supplied.
In addition, a Training and Experience form for each individual requesting authorization to use x-ray producing machine must accompany the Radiation Program Application.

PROGRAM SUMMARY

Principal Investigator:
Organization:
Project Name:
Degrees:
Primary Radiation Training:

Radiation Area Supervisor:
Degrees:
Primary Radiation Training:

FOR RADIATION SAFETY OFFICE AND COMMITTEE USE

Organization Director: _____ Date: _____

Radiation Protection Officer: _____ Date: _____

Radiation Safety Committee Chairman: _____ Date: _____

Approved Radiation Program Number: _____ Program Expiration Date: _____

The following list indicates proposed radiation personnel. A separate X-ray Program Training and Experience Form must be attached for each individual.

X-RAY PROGRAM PERSONNEL

Protocol and X-ray Producing Machine Information

Uses:

Protocol:

X-ray Producing Machine Information: (fill out as appropriate)

Type: _____
Manufacturer: _____
NIH#: _____
Serial#: _____
kV: _____
kW: _____
mA: _____
Target: _____
Filter: _____
Anode: _____

Check one:

☐ X-Ray Irradiator

☐ X-Ray Generator

☐ Cabinet X-Ray Unit

☐ Other:_____

Training

It is the responsibility of the Principal Investigator and/or Radiation Area Supervisor to oversee and document the training of specific laboratory procedures for laboratory personnel. Use of an X-ray producing machine 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.

Authorized X-Ray Producing Use Areas

Building	Room

Radiation Monitoring Equipment

All procedures will be performed to keep exposure As Low As Reasonably Achievable (**ALARA**). Adequate shielding will be provided and used as necessary. Additionally, eye protection, remote handling devices and protective clothing will be used when appropriate.

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

MONITORING EQUIPMENT		
Model	**Serial #**	**NIH#**

Radiation Safety Precautions To Be Used

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

_____ _____

(***Principal Investigator's Signature***) (***Date***)