

RADIOLOGICAL SAFETY MANUAL

FOREWORD

The use of radioactive materials and devices that produce ionizing radiation is necessary to conduct research at the National Cancer Institute at Frederick (also referred to as the Facility). This manual presents general guidance on the necessary precautions, regulations, and guidelines for the safe handling of such sources.

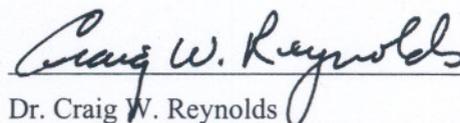
The use of radioactive materials at the Facility is controlled by the regulations of, and a license issued by, the U.S. Nuclear Regulatory Commission (NRC). The contents of this manual are an integral part of that license and, as such, are enforceable by the NRC. Reference materials in this manual are intended to serve as guidelines for day-to-day operations in the radiological laboratory.

To ensure that radiation sources are being used safely and in a manner that complies with all applicable regulations, a Radiation Safety Committee and a Radiation Safety Office operate at the Facility. Use of radionuclides in the laboratory setting is a privilege granted to authorized users through the NCI-Frederick Radiation Safety Committee. This manual sets forth the responsibilities of that committee and of the Radiation Safety Office. It also details the responsibilities of authorized users who handle radiation sources and identifies the necessary requirements for the safe use of such materials.

All persons working with sources of ionizing radiation at the Facility must be familiar with the contents of this manual and shall abide by the procedures and policies herein established.

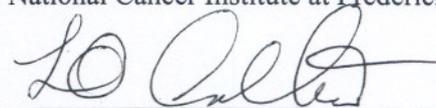
This manual is a preliminary introduction to basic requirements for radiation safety in the laboratory. Guidelines for radiation safety and regulations governing isotope use and disposals are constantly being upgraded. All radiation workers are responsible for remaining up-to-date regarding current requirements within NCI-Frederick and knowledgeable of current practices within the field. It is the responsibility of every user to seek out specific training and instruction for procedures employed in his or her laboratory from the supervisor, other trained workers, or the Radiation Safety Office.

Date 3/22/2006



Dr. Craig W. Reynolds
Director, Office of Scientific Operations
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Date 3/22/06



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