



South Carolina

Radiation Safety Manual Analytical X-ray Machines

EH&S RESEARCH & LABORATORY SAFETY

FOREWORD

This manual is a living document that is issued as a means of providing users of analytical X-ray machines with the information needed to protect themselves from exposure to hazardous X-ray radiation. All analytical X-ray machines on the University's Columbia campus are built by the manufacturer to have the hazardous X-ray beams enclosed in an interlocked chamber. Ionizing X-ray radiation exposures outside of the interlocked enclosures do not exceed background radiation encountered in ever day life.

Before independently operating an analytical X-ray machine, you must receive radiation safety training from the University's Radiation Safety Office and be certified on the specific operating instructions by the authorized Principal Investigator or the Primary Operator of the analytical X-Ray Machine.

To begin the training process, email radsafe@mailbox.sc.edu