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Appendix

- I. Fundamentals of Radiation Safety
 - A. Characteristics of Radiation
 - B. Units of Radiation Dose
 - C. Significance of Radiation Dose
 - 1. Fundamentals of Radiation Dose
 - 2. Radiation Protection Standards
 - 3. Biological Effects of Radiation
 - D. Levels of Radiation from Particle Accelerator Sources
 - E. Methods of Controlling Radiation Dose
 - 1. Exposure Time
 - 2. Working Distance
 - 3. Shielding
- II. Use of Radiation Detection Instruments
 - A. Instrument Operation
 - B. Calibration
 - C. Limitations on Detection
 - D. Monitoring Procedures
- III. Personnel Monitoring Equipment (Dosimetry)
 - A. Procedures for Issuance, Wearing, and Exchange of Dosimetry
 - B. Typical Exposures Expected

C. Methods to Keep Exposures ALARA

IV. Applicable Requirements of Ohio Administrative Code

V. Registrant's Policies and Procedures

A. Safe Operating Procedures

B. Emergency Procedures

C. Interlock Testing Procedures

D. Specific Concerns Relating To the Accelerator

VI. Operation and Control of Accelerator