

APPENDIX D

The annual occupational dose limits as specified in the Code of Federal Regulations, Title 10, Part 20, "Standards for Protection Against Ionizing Radiation," and in the Florida Department of Health, Chapter 64E-5 (July 1997), "Control of Radiation Hazards Regulations" are listed below.

The annual occupational dose limits for adults are:

1. A total effective dose equivalent equal to 5 rem (0.05 Sv); or
2. The sum of the deep dose equivalent and the committed dose equivalent to any individual organ or tissue other than the lens of the eye equal to 50 rem (0.5 Sv).

The annual dose limits to the lens of the eye, to the skin, and to the extremities are:

1. An eye dose equivalent of 15 rem (0.15 Sv).
2. A shallow dose equivalent of 50 rem (0.5 Sv) to the skin or to any extremity.

The annual occupational dose limits for minors (less than 18 years old) are:

1. 10 percent of the annual occupational dose limits for adults.

The dose to an embryo or fetus for women who have declared pregnancy:

1. The dose to an embryo or fetus during the entire pregnancy shall not exceed 0.5 rem (5 mSv).
2. It is recommended that no more than 0.05 rem (0.5 mSv) be received by the embryo or fetus in any one month.

Whole body includes head, trunk, including male gonads, arms above the elbow, or legs above the knee. Extremity includes hand, elbow, arm below the elbow, foot, knee, and leg below the knee.