**Section 350.1010 Limits on Levels of Radiation for Radiographic Exposure Devices, Source Changers and Transport Containers**

a) Radiographic exposure devices manufactured prior to July 1, 1994, shall not be used for industrial radiography unless they meet the following minimum criteria:

1) Radiographic exposure devices and source changers measuring less than 10 centimeters (4 inches) from the sealed source storage position to any exterior surface of the device shall have no radiation level in excess of 12.9 µC/kg (50 mR) per hour at 15 centimeters (6 inches) from any exterior surface of the device.

2) Radiographic exposure devices measuring a minimum of 10 centimeters (4 inches) from the sealed source storage position to any exterior surface of the device shall not have radiation levels in excess of 2 mSv (equivalent to 200 mrem, 200 mR, or 51.6 µC/kg) per hour at any exterior surface, and 0.1 mSv (equivalent to 10 mrem, 10 mR, or 2.58 µC/kg) per hour at 1 meter (39.4 inches) from any exterior surface.

3) The radiation levels specified in subsections (1) and (2) of this Section shall be determined with the sealed source in the shielded position (i.e., "off").

b) Radiographic exposure devices, source changers and transport containers manufactured on or after July 1, 1994, and used after January 10, 1996, shall not have a maximum exposure rate in excess of 2 mSv (200 mrem) per hour at any exterior surface and 0.1 mSv (10 mrem) per hour at 1 meter from any exterior surface with the sealed source in the shielded position.

(Source: Amended at 28 Ill. Reg. 12598, effective October 1, 2004)