**Section 340.520 Conditions Requiring Individual Monitoring of External and Internal Occupational Dose**

Each licensee or registrant shall monitor doses from sources of radiation at levels sufficient to demonstrate compliance with the occupational dose limits of this Part. As a minimum:

a) Each licensee or registrant shall monitor occupational dose from sources of radiation and shall supply and require the use of individual monitoring devices by:

1) Adults likely to receive, in 1 year from sources external to the body, a dose in excess of 10 percent of the limits in Section 340.210(a);

2) Minors likely to receive, in 1 year from sources external to the body, a dose in excess of 10 percent of any of the applicable limits in Section 340.270;

3) Declared pregnant women likely to receive during the entire pregnancy, from radiation sources external to the body, a deep dose equivalent in excess of 1 mSv (0.1 rem); and

4) Individuals entering a high or very high radiation area.

b) Each licensee shall monitor, to determine compliance with Section 340.240, the occupational intake of radioactive material by and assess the committed effective dose equivalent to:

1) Adults likely to receive, in 1 year, an intake in excess of 10 percent of the applicable ALIs in table 1, columns 1 and 2 of appendix B to 10 CFR 20, published at 72 Fed. Reg. 55922, October 1, 2007, exclusive of subsequent amendments or editions; and

2) Minors and declared pregnant women likely to receive, in 1 year, a committed effective dose equivalent in excess of 0.5 mSv (0.05 rem).

(Source: Amended at 35 Ill. Reg. 934, effective December 30, 2010)