

4731.2080 DOSE EQUIVALENT TO EMBRYO/FETUS.

Subpart 1. **Dose limit.** A licensee must ensure that the dose equivalent to an embryo/fetus during the entire pregnancy due to occupational exposure of a declared pregnant woman does not exceed 0.5 rem (5 mSv). Records must be kept according to part 4731.2540.

Subp. 2. **Uniform exposure.** A licensee must make efforts to avoid substantial variation above a uniform monthly exposure rate to a declared pregnant woman so as to satisfy the limit in subpart 1.

Subp. 3. **Dose equivalent.** The dose to an embryo/fetus is the sum of:

- A. the deep dose equivalent to the declared pregnant woman; and
- B. the dose equivalent to the embryo/fetus from radionuclides in the embryo/fetus and radionuclides in the declared pregnant woman.

Subp. 4. **Dose after pregnancy declaration.** If the dose equivalent to the embryo/fetus is found to have exceeded 0.5 rem (5 mSv), or is within 0.05 rem (0.5 mSv) of this dose, by the time the woman declares the pregnancy to the licensee, the licensee shall be deemed to be in compliance with subpart 1 if the additional dose equivalent to the embryo/fetus does not exceed 0.05 rem (0.5 mSv) during the remainder of the pregnancy.

Statutory Authority: *MS s 144.1202; 144.1203*

History: *29 SR 755*

Published Electronically: *March 12, 2009*