§ 50–204.35 Application for variations from radiation levels.

(a) In accordance with policy expressed in the Federal Radiation Council’s memorandum concerning radiation protection guidance for Federal agencies (25 FR 4402), the Director, Bureau of Labor Standards may from time to time grant permission to employers to vary from the limitations contained in §§ 50–204.21 and 50–204.22 when the extent of variation is clearly specified and it is demonstrated to his satisfaction that (1) such variation is necessary to obtain a beneficial use of radiation or atomic energy, (2) such benefit is of sufficient value to warrant the variation, (3) employees will not be exposed to an undue hazard, and (4) appropriate actions will be taken to protect the health and safety of such employees.

(b) Applications for such variations should be filed with the Director, Bureau of Labor Standards, U.S. Department of Labor, Washington, DC 20210.

§ 50–204.36 Radiation standards for mining.

(a) For the purpose of this section, a “working level” is defined as any combination of radon daughters in 1 liter of air which will result in the ultimate emission of $1.3 \times 10^5$ million electron volts of potential alpha energy. The numerical value of the “working level” is derived from the alpha energy released by the total decay of short-lived radon daughter products in equilibrium with 100 pico-curies of radon 222 per liter of air. A working level month is defined as the exposure received by a worker breathing air at one working level concentration for 4½ weeks of 40 hours each.

(b) (1) Occupational exposure to radon daughters in mines shall be controlled so that no individual will receive an exposure of more than 2 working level months in any calendar quarter and no more than 4 working level months in any calendar year. Actual exposures shall be kept as far below these values as practicable.