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DOSIMETRY BADGES

Chiropractors who own and operate an x-ray machine **must** have a dosimetry badge. Inspectors from the board and RHB are expecting dosimetry records.

Per the Regulation you must demonstrate that the occupational worker's dose is not exceeded in one year. The occupational worker should have a dosimetry badge for minimum six months and maintain the dosimetry records.

California Code of Regulations, title 17, section 30253 states the regulations governing standards for protection against radiation in title 10, Code of Federal Regulations, part 20, (10 CFR 20) sections 20.1001 through 20.2402 and Appendices A through G, (January 1, 2008) are hereby incorporated by reference with title 10, Code of Federal Regulations (CFR) section 20.1502(a)(1) Title 10, Code of Federal Regulations (CFR) section 20.1502(a)(1) states that each licensee shall monitor exposures to radiation and radioactive material at levels sufficient to demonstrate compliance with the occupational dose limits of this part. As a minimum (a) each licensee shall monitor occupational exposure to radiation from licensed and unlicensed radiation sources under the control of the licensee 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% of the limits in 20.1201(a).

Note: Annual dose for the whole body is 5,000 mrem and 10% is 500 mrem.

Resources:

California Department of Health-Radiologic Health Branch (RHB)

<https://www.ans.org/nuclear/dosechart/#dose>

Example of badges:

<https://www.dosimetrybadge.com>