

**\*\*\*DRAFT - NOT FOR FILING\*\*\***

**3701:1-52-20 Personnel monitoring.**

- (A) Irradiator operators shall wear a personnel dosimeter ~~that is processed and evaluated by an accredited national voluntary laboratory accreditation program (NVLAP) processor~~ while operating a panoramic irradiator or while in the area around the pool of an underwater irradiator. The personnel dosimeter processor must be ~~accredited for~~ capable of detecting high energy photons in the normal and accident dose ranges. ~~as indicated in paragraph (A)(3) of rule 3701:1-38-14 of the Administrative Code.~~ Each personnel dosimeter must be assigned to and worn by only one individual. Film badges must be processed at least monthly; and all other personnel dosimeters that require replacement must be ~~processed~~ replaced at least quarterly. All personnel dosimeters must be evaluated at least quarterly or promptly after replacement, whichever is more frequent.
- (B) Other individuals who enter the radiation room of a panoramic irradiator shall wear a dosimeter, which may be a pocket dosimeter. For groups of visitors, only two people who enter the radiation room are required to wear dosimeters. If pocket dosimeters are used to meet the requirements of this paragraph, a check of their response to radiation must be done at least annually. Acceptable dosimeters must read within plus or minus thirty per cent of the true radiation dose.