

RIN #21 **Guideline for Wearing Radiation Monitoring Devices [Personal Dosimeters] or TLDs**

This RIN provides guidance to owners/operators in facilities where ionizing radiation is used on the need for wearing personal radiation monitoring devices (i.e. dosimetry badges).

In BC, WorkSafeBC's [Occupational Health and Safety Regulation](#) requires the employer to ensure that a worker is provided with and uses a personal dosimeter if the worker exposure exceeds or may exceed the Action Level of 1 mSv/year*. Therefore, it is the responsibility of the employer to make a determination for those workers under the employer's control as to whether their work duties could result in their doses exceeding the Action Level.

In the absence of existing information on workers doses, monitoring of worker exposures should be carried out for a period of at least one year to establish their exposure levels and to compare these levels to regulatory requirements. Where protective clothing (e.g. lead apron) is used, the dosimeter is worn underneath that clothing to measure the whole body (effective) dose.

If established worker exposure levels are well below 1 mSv/year and the employer can demonstrate this from monitoring results, work procedures or information from the [National Dose Registry](#) (NDR), then the employer may contact WorkSafeBC to discuss an exemption from monitoring. If applicable, employers should also contact their college and/or professional association for additional information on requirements for wearing personal radiation monitoring devices.

*** NB:** If doses exceed or may exceed 1 mSv/year, the employer must establish an exposure control plan for the workers. The exposure limit for workers under the *Regulation* is 20 mSv/year. The *Regulation* also references Health Canada's Safety Codes, which are available at: <http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/index-eng.php#codes>

For further information contact:

Francine Anselmo, Head, Medical X-ray Program
Radiation Protection Services, Environmental Health Services Div
BC Centre for Disease Control
Main Floor, 655 12th Ave W
Vancouver BC V5Z 4R4
Tel: 604.707.2456 | Fax: 604.707.2441

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