

UNIVERSITY OF WATERLOO INFORMATION MEMO TO X-RAY WORKERS

PART OF BODY IRRADIATED	EXPOSURE CONDITIONS AND COMMENTS	DOSE EQUIVALENTS AND ANNUAL LIMITS (mSv)	
		X-Ray Workers	Other Workers
Whole Body or Trunk of Body	Uniform irradiation	50	5
Partial or non-uniform irradiation of body	The limit applies to the EFFECTIVE DOSE EQUIVALENT	50	5
Lens of eye	Irradiated either alone or with other organs or tissues	150	50
Skin	The limit applies to the mean dose equivalent to the basal cell layer of the epidermis for any area of skin 1 square centimetre or more.	500	50
Individual organ or tissue other than lens of eye or skin	The limit on effective dose equivalent applies, with an overriding limit on the dose equivalent to the individual organ or tissue	500	50

An employer shall take every precaution reasonable in the circumstances to ensure that the mean dose equivalent received by the abdomen of a pregnant worker does not exceed **five millisieverts** during a pregnancy.

1. The undersigned worker is familiar with the contents of Regulations Respecting X-Ray Safety made under the Occupational Health and Safety Act and Technical Guide to the X-Ray Safety Regulations.
2. The undersigned worker has been instructed and demonstrated competence in the safe operation of the following X-Ray equipment.
3. The undersigned worker acknowledges classification as an "other worker" and is familiar with the dose equivalents that may be received by an "other worker" as shown above.

MODEL _____ MANUFACTURER _____

MODEL _____ MANUFACTURER _____

MODEL _____ MANUFACTURER _____

BUILDING _____ ROOM _____ DEPT _____

WORKER _____ UWUserID _____
(Print)

WORKER _____ Date _____
(Sign)

SUPERVISOR _____ PERMIT NO. _____
(Print)

SUPERVISOR _____ Date _____
(Sign)

Please complete and return to xso@uwaterloo.ca or mail to the Safety Office in COM 116.