

WAC 246-225A-085 Hand-held X-ray system. The following requirements apply to hand-held X-ray systems:

(1) Registrants using hand-held X-ray systems must provide for security and safe storage while not in use.

(2) The image receptor used with hand-held dental X-ray systems must either be:

(a) A speed class of intra-oral film designated as "F," "E/F" or faster; or

(b) A digitally acquired image (CR or DR).

(3) The hand-held X-ray system must be equipped with a backscatter shield of not less than 0.25 mm lead equivalent and 15.2 cm (6 inches) in diameter that can be positioned to within 1 cm of the end of the position indicating device. The hand-held X-ray system must always be used with the backscatter shield in place.

(4) Conditions and restrictions using the predicted whole body dose rate (effective dose) to the operator and shallow dose to the fingers:

If the predicted whole body dose rate (effective dose) is:	And the shallow dose rate to the fingers is:	The operator:
<100 mrem/yr	<1 rem/yr	Can operate equipment with no additional requirements
>100 mrem/yr	<1 rem/yr	Shall wear a leaded apron of 0.25 mm lead equivalent
>100 mrem/yr	>1 rem/yr	<ul style="list-style-type: none"> Shall wear a leaded apron of 0.25 mm lead equivalent; and
		<ul style="list-style-type: none"> Shall use equipment for special needs patients outside of routine dental office settings only

[Statutory Authority: RCW 70.98.050 and 70.98.080. WSR 11-19-013, § 246-225A-085, filed 9/7/11, effective 10/8/11.]