

University of Pennsylvania
Office of Environmental Health and Radiation Safety
Registry of Dental X-Ray Operators

Commonwealth of Pennsylvania, Department of Environmental Protection regulations require that all persons who operate diagnostic x-ray equipment have expertise in the following areas:

- 1) Familiarization with equipment
 - Identification of controls
 - Function of controls
 - How to use a technique chart
- 2) Radiation protection
 - Collimation
 - Filtration
 - Gonadal shielding and other patient protection devices if used
 - restriction of x-ray tube radiation to image receptor
 - Personnel protection
 - Grids
 - Proper use of personnel dosimetry, if required
 - Understanding units of radiation
- 3) Film processing
 - Film speed as related to patient exposure
 - Film processing parameters
 - Quality assurance program
 - Identification of film artifacts and corrective actions, if necessary
 - Identification of adequate film exposure on the resultant radiograph, and corrective actions, if necessary
- 4) Procedures
 - Knowledge of anatomy and physiology
 - Knowledge of positioning and radiographic demonstration of the requested anatomy with corrective actions, if necessary
- 5) Emergency procedures
 - Termination of exposure in the event of automatic timing device failure
- 6) Continuing education
 - Continuing education annually to include radiation protection.

This Registry documents compliance with Pennsylvania regulations. This Registry must be up-to-date and available for review at all times. No person may operate diagnostic x-ray equipment unless they meet the requirements of the Commonwealth of Pennsylvania, and are listed on the Registry.

Registry of Dental X-Ray Operators

enter name of facility and/or department

Employee's Name (PRINT)	Does employee have expertise in items listed on cover page? <small>(circle one)</small> Yes No	Date of continuing education 2000	Date of continuing education 2001	Date of continuing education 2002
	(circle one) Yes No			
	employee initials:	employee initials:	employee initials:	employee initials:
	dentist initials:	dentist initials:	dentist initials:	dentist initials:
	(circle one) Yes No			
	employee initials:	employee initials:	employee initials:	employee initials:
	dentist initials:	dentist initials:	dentist initials:	dentist initials:
	(circle one) Yes No			
	employee initials:	employee initials:	employee initials:	employee initials:
	dentist initials:	dentist initials:	dentist initials:	dentist initials:
	(circle one) Yes No			
	employee initials:	employee initials:	employee initials:	employee initials:
	dentist initials:	dentist initials:	dentist initials:	dentist initials:
	(circle one) Yes No			
	employee initials:	employee initials:	employee initials:	employee initials:
	dentist initials:	dentist initials:	dentist initials:	dentist initials:
	(circle one) Yes No			
	employee initials:	employee initials:	employee initials:	employee initials:
	dentist initials:	dentist initials:	dentist initials:	dentist initials:

