

**Methodology to Indicate Changes to
DPH-08-015 – Medical and Dental X-ray Quality Assurance**

Changes to the proposed regulations are indicated as follows:

- Deleted text is indicated by ~~double strike through~~.
- Added text is indicated by double underline.

(1) Change proposed section 30308.1 to read as follows:

§ 30308.1. Quality Assurance for Radiographic Installations (Other Than Mammography, Dental, and Veterinary Medicine)

(a) Each user subject to this article, as specified in section 30305(a)(1), who develops clinical radiographs for diagnostic purposes with automatic film processors for other than mammographic, dental, or veterinary use, shall assure all of the following:

No changes made to proposed subsections (a)(1) through (a)(5).

(a)(6) Records of the tests specified in this section, including the problems detected, corrective actions taken, and the effectiveness of those corrective actions, are maintained ~~until the Department has completed its next routine inspection~~ for at least one year from the date the test was performed.

Note: Authority cited: Sections 114975, 115000, 115060, 115061, 131051, 131052, 131055, and 131200, Health and Safety Code. Reference: Sections 114965, 114970, 115000, 115060, and 115061, Health and Safety Code.

(2) Change proposed section 30311.1 to read as follows:

§ 30311.1. Quality Assurance for Dental Radiography.

(a) Each user subject to this article, as specified in section 30305(a)(1), who performs radiographic examinations using intra-oral film systems for dental purposes radiography of human beings shall assure all of the following:

(1) ~~Reference films~~ A reference film meeting the interpreting dentists' criteria for image density, contrast, sharpness and overall quality ~~are~~ is selected for use in daily comparisons of dental radiographs.

No changes made to proposed subsections (a)(2) and (a)(3).

(4) Records of the corrective actions taken, and the effectiveness of those corrective actions, are maintained until the Department has completed its next routine inspection for a minimum of one year from the date the corrective action was taken.

(5) Corrective action, as directed by the Department, is taken if the entrance exposure to an adult patient for a routine intraoral bitewing exam is found by the Department to be outside the ranges specified in the following table.

<u>Tube Potential¹</u> <u>(kVp)²</u>	<u>"D" Speed</u> <u>Film (mR)³</u>	<u>"E or F" Speed</u> <u>Film (mR)³</u>
<u>50</u>	425-575	220-320
<u>55</u>	350-500	190-270
<u>60</u>	310-440	165-230
<u>65</u>	270-400	140-200
<u>70</u>	240-350	120-170
<u>75</u>	170-260	100-140
<u>80</u>	150-230	90-120
<u>85</u>	130-200	80-105
<u>90</u>	120-180	70- 90
<u>95</u>	110-160	60- 80
<u>100</u>	100-140	50- 70

¹Linear extrapolation or interpolation shall be used for an x-ray tube potential (kVp) not listed in the table.

²The kVp shall be measured to determine the correct exposure limit to be applied.

³Exposures values are specified as free-in-air exposures without backscatter.

Note: Authority cited: Sections 114975, 115000, 115060, 115061, 131051, 131052, 131055, and 131200, Health and Safety Code. Reference: Sections 114965, 114970, 115000, 115060, and 115061, Health and Safety Code.