

 <p style="text-align: center;"><b>County of Sacramento</b>  <b>Department of Health Services</b>  <b>Division of Primary Health</b>  <b>Policy and Procedure</b></p>	Policy Issuer (Unit/Program)	<b>JCH</b>
	Policy Number	<b>B02-1403a</b>
	Effective Date	<b>05-16</b>
	Revision Date	<b>07-19</b>
Title: Radiation Dosimetry - Dental		Functional Area: Safety
Approved By: Pamela Gandy-Rosemond, MSN RN CCHP Health Administrator		
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**Policy:**

Juvenile Correctional Health (JCH) maintains a dosimetry program to protect both dental staff, detained minors and other staff that enter the dental clinic, and to ensure that occupational and public radiation doses do not exceed the regulated limits.

**Procedures:**

- A. Juvenile Correctional Health maintains a contract with a radiation detection company to report on the occupational doses of radiation for dental staff that operate radiographic equipment.
  - 1. Each dental staff is issued a Thermos Luminescent Dosimetry (TLD) measuring device that is worn during work hours, and is instructed in its use.
  - 2. TLD's are turned in to the contractor at the end of the month, and a new TLD is provided to each technologist for the following month.
  - 3. All radiographers are instructed not to hold patients during procedures.
  - 4. Pregnant radiographer:
    - a. Is instructed not to hold patients during procedures.
    - b. Is provided with an additional badge to be worn at waist level to determine fetal dose.
    - c. Exposure to embryo-fetus shall be no longer greater than 0.05 rem in any month.
  - 5. Contractor provides a monthly report of radiation exposure dosage for each employee.
  - 6. The dentist reviews the report to ensure that the dose does not exceed the allowable limits for adults (5 rem per year)
  - 7. Clinic manager, also notifies the employee results, and maintains the results on file on the W drive, W:\Primary-Health\JMS\JMS-Employee\Radiation-Dosimetry.

**References:**

Title 15, Article 8, Section 1435

Title 15, Article 8, Section 1403

NCCHC, Y-B-02

Title 17, California Code of Regulations, Public Health,

Division 1, Chapter 5, Sanitation (Environmental)

Subchapter 4, Radiation (commencing at section 30100)

Title 10, Code of Federal Regulations, part 20, (10 CFR 20), Section 20.1001 through 20.2402 and Appendices A through G, (January 1, 2013) are incorporated by reference

Title 15, Article 8, 1435

**Attachments:**

N/A

**Contact:**

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