
PERSONNEL MONITORING
POCKET DOSIMETERS

1.0 SCOPE

This procedure describes the method of charging and using Pocket dosimeters, including recording of readings.

2.0 RESPONSIBILITIES

It is the responsibility of all Radiographic personnel to follow this procedure without deviation.

3.0 DOSIMETER CHARGING

- 3.1 Insert dosimeter into charging socket.
- 3.2 Turn knob clockwise to the "on" position, when applicable.
- 3.3 Depress dosimeter in socket firmly.
- 3.4 Look through dosimeter at the hairline and scale. Adjust knob so that hairline is at zero.
- 3.5 Remove dosimeter from charger and read scale again by looking at a source of light to assure that the hairline indicator has not moved.
- 3.6 Turn charger to "off" position, when applicable.

4.0 DOSIMETER USAGE

- 4.1 Radiographic personnel shall wear dosimeters at all times while performing radiographic assignments.
- 4.2 Dosimeters will be recharged daily or as required at the start of each shift. The dosimeter start readings will be recorded on Form A.
- 4.3 Dosimeters will be read several times during the work period. (As a minimum - before and after each exposure which is made).
- 4.4 At the end of the work period, dosimeters will be read and the amount indicated on the scale recorded on Form A.
- 4.5 In the event a dosimeter goes off scale (over 200 MR) during the work period, work will be stopped and the supervisor notified immediately. (Dosimeters, being delicate instruments, can indicate high readings if jarred or dropped).

(0058S)

RADIATION ADMINISTRATIVE CONTROL
OPERATING AND EMERGENCY PROCEDURES

- 4.5.1 The reason for the high reading will first be determined.
- 4.5.2 The TLD Badge being worn by the radiographer at that time will be forwarded to the "Processing Laboratory" for immediate evaluation, even if an accidental dosimeter discharge is suspected.
- 4.5.3 If the dosimeter is judged to be faulty, it will be taken out of service.
- 4.5.4 The individual involved shall not be given assignments involving radiation exposure until authorized by the Corporate Radiation Safety Officer.
- 4.6 Retain one (1) copy of Form A at jobsite files and forward one (1) copy to the office of the Quality Assurance/Quality Control Manager (Corporate R.S.O. Files).

5.0 DOSIMETER TYPE

Dosimeters utilized shall have a scale of 0-200 MR.

Supplier: Technical/Operations Inc. Radiation Products
Division Northwest Industrial Park, Burlington,
Mass.

Dosimeter: Model No. 541/A, 0-200 Mr

Dosimeter Charger: Model No. 2000A

Substitution of dosimeters and dosimeter charger may be performed with respect to supplier and model or manufacturer only when approval is received by the Corporate R.S.O. in advance of purchase.