

The Radiation Protection Service (RPS)

provides the personal dosimetry service for radiation workers in South Africa.

The RPS keeps a complete history of doses received by radiation workers (national dose register).

When a radiation worker starts work at a new place, the dose history is available to the employer and the radiation worker.

A dose history report can be requested at any time as required.

Personal dosimetry is done with Panasonic Thermo luminescent dosimeters (TLD).



Each worker is allocated a unique radiation worker identity number (BIN)

A dosimeter is issued to the radiation worker for a specific wearing period. Before the end of the wearing period, a replacement dosimeter is sent to the radiation worker. The radiation worker starts wearing the new dosimeter on the start of the new wearing period and returns the used dosimeter to the RPS for processing.

Different colour codes are used for wearing periods, so that the replacement dosimeter will have a different colour label from the one it is replacing.

PERSON'S NAME

BIN 113812 Badge No **317541**

Place No: **3/2521** Sequence No: **1**

Wearing Period: 2006-09-25 to 2006-10-22



02521113812 0317541

SABS, Private Bag X191, Pretoria, 0001

A dosimeter does not protect you!

Finger rings are used to monitor dose to extremities and can bend around a finger- it can be ordered.

A dosimeter for all?

In cases where the workload of the x-ray unit is very low, the requirement for the monitoring of workers (example nurses in theatre) must be determined individually.

Radiographers are responsible to distribute dosimeters to staff before commencing with fluoroscopy.