

# Radiation Safety Dosimetry Information Sheet

Dosimetry Website: [Dosimetryrequest@stanford.edu](mailto:Dosimetryrequest@stanford.edu)

**Dosimetry Coordinator: Patrisha Cherry [pcherry@stanford.edu](mailto:pcherry@stanford.edu) 650.723.3203**

## Department Dosimetry Representative(s):

**Please Note:** Each person having a previous or ongoing occupational radiation exposure history with another facility, as required by regulations, MUST submit an **Authorization to Obtain Radiation Exposure History Form** or must select No" to indicate there is no radiation exposure history. It is each person's responsibility to inform Health Physics of historical or concurrent radiation exposures from other facilities.

## Department Representatives Role:

- Distribute dosimeters to wearers.
- Return all used and unused dosimeters at the end of each wearer period to the **Dosimetry Contact: Patrisha Cherry via ID mail: MC8007 by the 7th business day after the end of the wearer period or a late fee will be assessed.**
- Make exposure history reports available to wearers. Indicate personnel/dosimetry changes to the Dosimetry Coordinator in a timely manner.
- Indicate department representative changes to Dosimetry Coordinator. Indicate any late/lost dosimeters to Dosimetry Coordinator.

## Wearers Role:

- Wear dosimeters as required. Turn dosimeters into department representative on time. Report lost/damaged dosimeter to the department representative immediately when realized. Complete the lost/damaged form provided by representative.

## Who Needs Dosimetry Service: To Add a Dosimeter the following information is needed:

- All requests for dosimetry need to come from the department representative listed above for your location.
- Please provide the Name (Last, First) Date of Birth (DOB), Gender, and Department (Location Code/Account Number) located on the exposure report or packing slip).
- Identify who needs to be badged? -By position (e.g. all rad workers, all irradiator operators, etc.)
- Identify how many people need to be badge compared to the number that want to be badged.
- What kind of radiation are they exposed to? A badge is required for anyone expected to receive more than 10% of a dose limit.

**Important of Occupation Radiation Exposure Reports:** The single most important document to protect is the dosimetry records. Depending on your reading cycle (bi-monthly, monthly, quarterly) each department will keep a 3 ring binder with all exposure reports in one secure and central location, please store all reports in this binder. Personnel Exposure histories are a legal record of the individual's occupational exposure. It is important that there are no gaps in monitoring service and all dosimeters are turned in on a timely basis. If you are missing any reports please contact **Patrisha Cherry at 650-723-3203 or email me at [pcherry@stanford.edu](mailto:pcherry@stanford.edu)** I will send you over copies.

## Pregnant Workers: Fetal Monitoring:

- Workers may declare pregnancy in writing to the Health Physics Department (Dosimetry Coordinator-Patrisha Cherry [pcherry@stanford.edu](mailto:pcherry@stanford.edu)).
- The worker will be given a monthly fetal whole-body dosimeter (if necessary) that is to be worn at the waist level.
- If the declared pregnant woman wears a lead apron as part of her work then the dosimeter should be worn underneath the lead apron. **Please fax 650.723.0632 or email [pcherry@stanford.edu](mailto:pcherry@stanford.edu) the declaration to Patrisha Cherry. John Kwofie HP will contact you for a consultation: [kwofie@stanford.edu](mailto:kwofie@stanford.edu) or 650.726.9869**

**Lost/Damaged Dosimeters:** Please Complete the Lost/Damaged Form provided by the site contact. Return the completed form to **Patrisha Cherry Dosimetry Coordinator, MC8007 or fax 650.723.0632 or scan and email to [pcherry@stanford.edu](mailto:pcherry@stanford.edu)** it is important to replace the lost or damaged dosimeter as soon as possible. A lost (non-returned) dosimeter causes a permanent gap in the individual's exposure history record.

**To Terminate/Delete a Wearer:** Please provide Name (Last, First) Date of Birth (DOB), Department (Location Code/Account Number)

**Assigning a Spare:** If your location comes with spare badges you may assign those to new staff members or staff that have lost/damage badges. Please email me the first, last name of the staff member, date of birth and gender information (new staff only). Please identify the wearer number on the spare.

Dose Term	Dose Limit
Total Effective Dose Equivalent (TEDE) (Whole-Body dose from both external and internal sources)	5 rem (5,000 mrem) /yr
Lens Dose Equivalent (LDE) (Dose to the lens of the eye)	15 rem (15,000 mrem) /yr
Shallow Dose Equivalent (SDE) (Skin and Extremity Dose)	50 rem (50,000 mrem)/yr
Total Organ Dose Equivalent (TODE) (The organ receiving the highest dose from both external and internal sources)	50 rem (50,000 mrem)/ yr
Declared Pregnant Woman	0.5 rem (500 mrem) for entire gestation period