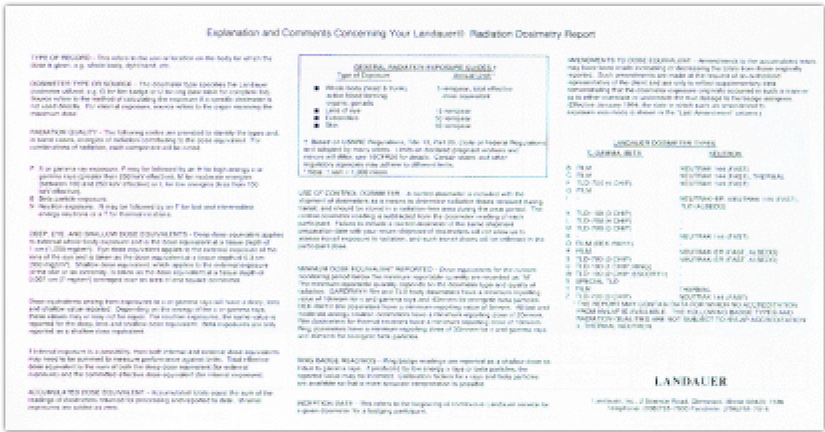
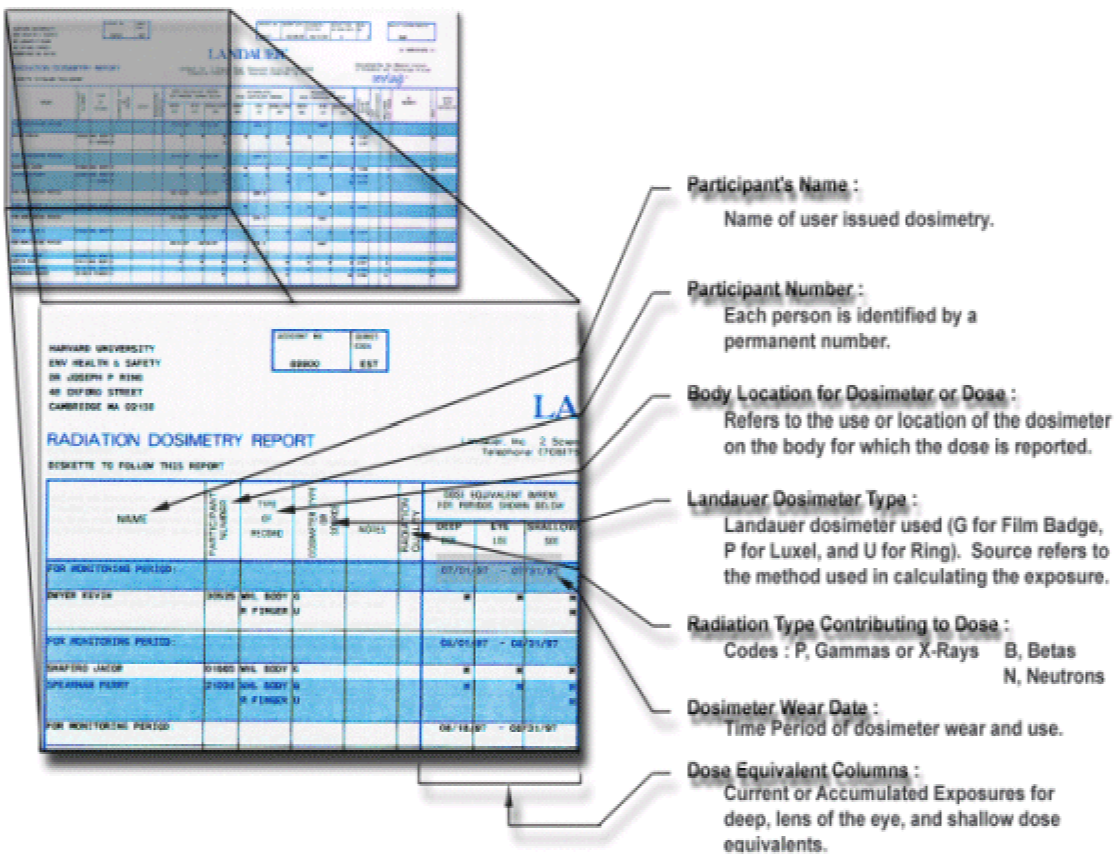
HARVARD
Campus Services
ENVIRONMENTAL HEALTH & SAFETY

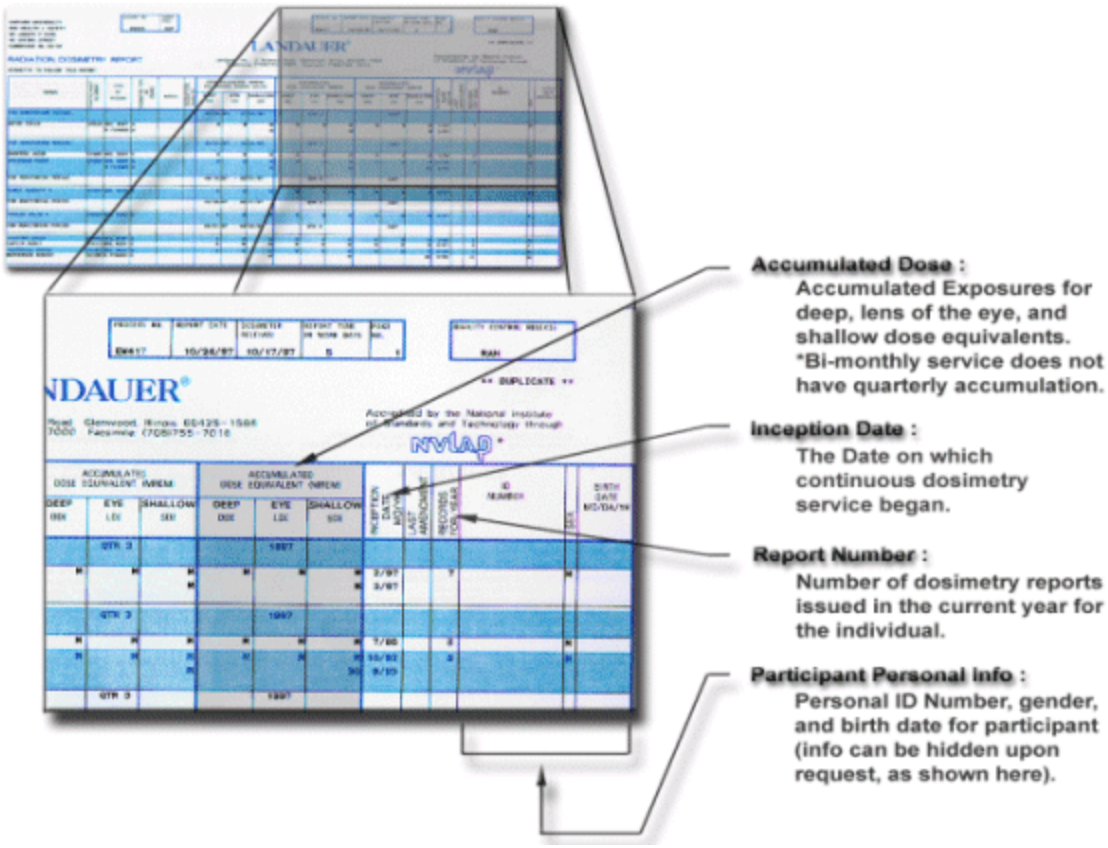
Radiation Exposure Report Explanation


Explanation and Comments Concerning Your Landauer® Radiation Dosimetry Report

LANDAUER

Back of Dosimetry Report contains reference information and definitions.


HARVARD UNIVERSITY
ENV HEALTH & SAFETY
RADIATION DOSIMETRY REPORT
NAME
Participant's Name :
Name of user issued dosimetry.
Participant Number :
Each person is identified by a permanent number.
Body Location for Dosimeter or Dose :
Refers to the use or location of the dosimeter on the body for which the dose is reported.
Landauer Dosimeter Type :
Landauer dosimeter used (G for Film Badge, P for Luxel, and U for Ring). Source refers to the method used in calculating the exposure.
Radiation Type Contributing to Dose :
Codes : P, Gammas or X-Rays
B, Betas
N, Neutrons
Dosimeter Wear Date :
Time Period of dosimeter wear and use.
Dose Equivalent Columns :
Current or Accumulated Exposures for deep, lens of the eye, and shallow dose equivalents.



Definition of Terms:	
Deep Dose Equivalent:	Applies to external whole-body exposure (at a tissue depth of 1cm).
Dose Equivalent:	The amount of radiation energy absorbed by human tissue.
Eye Dose Equivalent:	Applies to the external exposure of the lens of the eye (at a tissue depth of 0.3 cm).
Minimum Dose Equivalent:	Dose equivalents for the monitoring period which fall below the minimum reportable quantity (depends on dosimeter and radiation type) are reported as an **"M"**.
mrem:	Refers to a unit of measure, "millirem", which measures the amount of dose to human tissue.
Shallow Dose Equivalent:	Applies to external exposure of the skin or an extremity (at a tissue depth of 0.7 cm and averaged over an area of 1 cm2.