

# Radiation Dosimetry Report Explanations

1. Within an account, a permanent number assigned by Landauer identifies each individual.
2. Participant's personal information consisting of name, ID number, birth date, and sex.
3. Landauer dosimeter type according to monitoring needs.
4. The use or location on the body for which the dose is given.

"Note" in this column indicates a message explaining any abnormalities, imaging and reanalysis results, or elected optional features, and is printed on a separate line below the dosimeter exposure information.

5. Radiation type, and in some cases energy of radiation contributing to whole body dose equivalent.
6. The dose equivalent columns report the current and accumulated exposures for deep, lens of eye, and shallow dose equivalents. Bimonthly service will not have quarterly accumulation.

DDE - Deep dose equivalent applies to external whole-body exposure at a tissue depth of 1 cm (1,000 mg/cm<sup>2</sup>).

LDE - Eye dose equivalent applies to the external exposure of the lens of the eye at a tissue depth of 0.3 cm (300 mg/cm<sup>2</sup>).

SDE - Shallow dose equivalent applies to the external exposure of the skin or an extremity, and at a tissue depth of 0.007 cm (7 mg/cm<sup>2</sup>) averaged over an area of one square centimeter.

7. Number of times that a participant has appeared on Landauer reports during the current year, including absentee reports and corrections.

SAMPLE FACILITY  
RADIATION SAFETY OFFICER  
1000 HIGH TECH AVENUE  
GLENWOOD, IL 60425

**LANDAUER®**  
Landauer, Inc. 2 Science Road Glenwood Illinois 60425-1586  
Telephone: (708) 755-7000 Facsimile: (708) 755-7016  
www.landauerinc.com



## RADIATION DOSIMETRY REPORT

ACCOUNT NO. 103702	SERIES CODE RAD	ANALYTICAL WORK ORDER 0909090909	REPORT DATE 03/17/06	DOSIMETER RECEIVED 03/14/06	REPORT TIME IN WORK DAYS 3	PAGE NO. 1 OF 1
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PARTICIPANT NUMBER	NAME			DOSIMETER	USE	RADIATION QUALITY	DOSE EQUIVALENT (MREM) FOR PERIODS SHOWN BELOW			QUARTERLY ACCUMULATED DOSE EQUIVALENT (MREM)			YEAR TO DATE DOSE EQUIVALENT (MREM)			LIFETIME DOSE EQUIVALENT (MREM)			RECORDS FOR YEAR	INCEPTION DATE (MM/YY)
							DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE		
	ID NUMBER	BIRTH DATE	SEX				DOSE	DOSE	DOSE	DOSE	DOSE	DOSE	DOSE	DOSE	DOSE	DOSE	DOSE	DOSE		
	<b>FOR MONITORING PERIOD:</b>						02/01/06 - 02/28/06			QTR 1			2006							
000CC	CONTROL CONTROL CONTROL			Ja Pa U	CNTRL CNTRL CNTRL		M M M	M M M	M M M										2	06/80 06/80 06/80
00072	ADDISON JOHN 336352688 08/13/1950 M			Ja	WHBODY	PM P NF	90 60 30	90 60 30	90 60 30	90 60 30	90 60 30	90 60 30	100 70 30	100 70 30	100 70 30	200 170 30	200 170 30	200 170 30	2	06/80
00086	SUMMER JOSEPH 477682577 10/04/1968 M			Pa	WHBODY					160	160	160	470	470	470	860	860	860	2	01/90
00052	THOMAS LEE 355147899 11/22/1964 M			Pa Pa	COLLAR WAIST	P	62 M	62 M	57 M										2	02/86 02/86
					ASSIGN NOTE		2	62	57	N/A	N/A	N/A	2	112	107	1072	3192	3327		
00016	WALKER JANE 589684711 06/09/1960 F			Pa	WAIST								30	30	30	100	100	150	2	01/90
00043	ZANDRA ROBERT 352681421 07/15/1955 M			Pa U	WHBODY NOTE LFINGR		40 CALCULATED	40		160	160	160	200	200	200	240	240	240	2	06/80 06/80

M: MINIMAL REPORTING SERVICE OF 1 MREM

QUALITY CONTROL RELEASE: RCH

1 - PR 8451 - RPT1308 - N1



8. The date Landauer began keeping dosimeter records for a given dosimeter for a badging participant on the current account.
9. This is an example of a special dose calculation (EDE 1) applied to a participant who wears a collar and a waist dosimeter with a lead apron.
10. This is an example of a dosimeter that was not returned for processing for the wear period and Absentee Reporting service was elected for the account.

11. This is an example of a dose for a dosimeter from a calculation supplied by a customer rather than from a Landauer dosimeter analysis.

Minimum Dose Equivalent Reported - Dose equivalents for the current monitoring period below the minimum reportable quantity are recorded as "M." The minimum reportable quantity depends on the dosimeter type and quality of radiation.