



Special Dose Calculations

More accurate estimation for workers who wear lead aprons



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



SAMPLE ORGANIZATION
 RADIATION SAFETY OFFICER
 2 SCIENCE ROAD
 GLENWOOD, IL 60425


RADIATION DOSIMETRY REPORT

ACCOUNT NO.	SERIES CODE	ANALYTICAL WORK ORDER	REPORT DATE	DOSIMETER RECEIVED	REPORT TIME IN WORK DAYS	PAGE NO.
103702	RAD	992150087	6/13/07	06/09/07	4	1

PARTICIPANT NUMBER	NAME			DOSIMETER	USE	RADIATION QUALITY	DOSE EQUIVALENT (MREM) FOR PERIODS SHOWN BELOW			YEAR TO DATE DOSE EQUIVALENT (MREM)			LIFETIME DOSE EQUIVALENT (MREM)			RECORDS FOR YEAR	INCEPTION DATE (MM/YY)	
	ID NUMBER	BIRTH DATE	SEX				DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE			
FOR MONITORING PERIOD:							05/01/07 - 05/31/07			2007								
0000H	CONTROL CONTROL CONTROL			J P U	CNTRL CNTRL CNTRL		M M	M M	M M							5	07/97 07/97 07/97	
00189	ADAMS, HEATHER 336235619	08/31/1968	F	P	WHBODY		M	M	M	9	10	12	29	31	42	5	07/01	
00191	ADDISON, JOHN 471563287	10/04/1968	M	J	WHBODY	PN P NF	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	5	07/01	
00202	HARRIS, KATHY 587582144	06/09/1960	F	P U	WHBODY RFINGR		M	M	M	M	M	M	M	M	M	5	02/02 02/02	
00005	MEYER, STEVE 982778955	07/15/1964	M	P P U	COLLAR WAIST ASSIGN NOTE RFINGR	PL P	119 10 19	119 11 119	113 11 113		33	185	174	1387	2308	2320	5	08/97 08/97
							ASSIGNED DOSE BASED ON EDE 1 CALCULATION											
00203	STEVENS, LEE 335478977	08/25/1951	M	P U	WHBODY RFINGR		ABSENT ABSENT			M	M	M	M	M	M	M	4	07/02 07/02
00204	WALKER, JANE 416995421	03/21/1947	F	P	WHBODY		3	3	3	12	11	11	22	21	21	5	11/02	
00188	WEBSTER, ROBERT 355381469	05/15/1972	M	P	WHBODY NOTE		40 CALCULATED	40	40	200	200	200	240	240	240	5	07/01	

M- MINIMAL REPORTING SERVICE OF 1 MREM
 ELECTRONIC MEDIA TO FOLLOW THIS REPORT

QUALITY CONTROL RELEASE: LMR 1 - PR 6774 - PT131 - N1 -21587



NVLAP LAB CODE 100518-0**

Special Dose Calculations

Special calculations are available that permit departure from Landauer's standard dose assessment protocol in order to provide a more accurate estimation of radiation dose under special circumstances. Special calculations can be applied to an individual, a series, or to an entire account.

Special dose calculations available for radiation workers who wear lead aprons are:

- EDE 1: (Two dosimeters). One dosimeter is worn at the waist level under a lead apron and one dosimeter is worn at the collar level outside the lead apron. $1.5 \text{ (Waist DDE)} + 0.04 \text{ (Collar DDE)} = \text{Assigned Deep Dose Equivalent}$
- EDE 2: (One dosimeter). One dosimeter is worn outside the lead apron. $0.30 \text{ (Collar DDE)} = \text{Assigned Deep Dose Equivalent}$

The "Assigned" line with the EDE 1 and EDE 2 calculation results follows all of the original whole body dosimeter doses.

LANDAUER®

Corporate Office
 2 Science Road
 Glenwood, Illinois 60425
 800 323 8830
 www.landauer.com

0000 0000 0000

©2010 LANDAUER, Inc.
 All rights reserved.

