

Dressen Spine Center

PIN	NAME	ID SEX	ID NUMBER BIRTHDATE	CALCULATION	DOSIMETER TYPE LOC	WEAR PERIOD	NOTES	NEU	CURRENT DOSE (MILLIREM) DEEP	DOSE (MILLIREM) EYE SHALLOW	DOSE THIS YEAR (MILLIREM) DEEP EYE SHALLOW	LIFETIME DOSE (MILLIREM) DEEP EYE SHALLOW
2384827	CONTROL											
				Control	82 CH	09/25/2011-12/24/2011		NR	32	32 32		
2384829	DRESSEN DONALD											
				Standard	82 CH	09/25/2011-12/24/2011		NR	ND	ND ND	ND ND ND	ND ND ND
2384828	THOMAS WILLIAM											
		Male		Standard	82 CH	09/25/2011-12/24/2011		NR	ND	ND ND	34 34 34	34 34 34

Dressen Spine Center



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Ron O. Smith, Technical Director

Dressen Spine Center

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	

COLUMN

- RDC assigned wearer identification number.
- Employee name, area monitor location, or other reference designation.
- Employee Identification Type.  
SSN US Social Security Number  
PPN Passport Number  
CSI Canadian Social Insurance Number  
WPN Work Permit Number  
PDS PADS Identification Number  
OTH Other
- Employee Identification Number.
- Calculation methodology used for assigned dose computation.
- Dosimeter type.  
NVLAP Accredited Dosimetry Designations  
01 Film XBG  
05 Finger Ring  
82 TLD XBGN  
83 TLD XBGN/TE
- Location code - where on the body the dosimeter is worn.  
CH Chest  
CL Collar  
HD Head  
FM Fetal Monitor  
WS Waist  
RU Right Hand or Upper extremity  
LU Left Hand or Upper extremity  
RL Right Foot or Lower extremity  
LL Left Foot or Lower extremity
- The wear period the dosimeter monitored.
- Notes pertaining to the specific badge.

COLUMN

- Neutron component of Deep Dose. When the effective energy of neutrons is not provided to RDC, the dose in millirem is based on a calibration to a moderated Cf-252 neutron source.
- Deep Dose Equivalent which applies to external whole body exposure and is the dose equivalent at a tissue depth of 1 centimeter (1000 mg/cm<sup>2</sup>). Dose in millirem is reported for photon energies from approximately 10 keV to 6 MeV. Neutron dose is included if present.
- Eye Dose Equivalent which applies to the external exposure to the lens of the eye and is the dose equivalent at a tissue depth of 0.3 centimeters (300 mg/cm<sup>2</sup>). It includes dose in millirem for beta particles and photons. Neutron dose is included if present.
- Shallow Dose Equivalent which applies to the external exposure of the skin or an extremity and is the dose equivalent at a tissue depth of 0.007 centimeters (7 mg/cm<sup>2</sup>) averaged over an area of 1 square centimeter. It includes dose in millirem for beta particles and photons. Extremity doses are reported in this column based on 662 keV photons unless other energy or radiation source information is available. Neutron dose is included if present.
- Year to Date Cumulative Deep Dose. Neutron dose is included if present.
- Year to Date Cumulative Eye Dose. Neutron dose is included if present.
- Year to Date Cumulative Shallow Dose. Neutron dose is included if present.
- Lifetime Cumulative Deep Dose. Neutron dose is included if present.
- Lifetime Cumulative Eye Dose. Neutron dose is included if present.
- Lifetime Cumulative Shallow Dose. Neutron dose is included if present.

ALARA Notification Threshold Levels : Annualized Values (millirem)

	Level I	Level II	Level III
Deep	1250	2500	5000
Eye	3750	7500	15000
Shallow	12500	25000	50000
Extremity	12500	25000	50000

Important - Control Badge

The control badge should be kept in a low background location at your facility, never in the room where your source of radiation is located. Also, as the control badge is used in the calculation of dose, it should never be worn or re-assigned.

Radiation doses are reported in units of millirem. When no numerical dose is assigned, one of the following entries will be provided.

- ND Not Detectable means that a dosimeter was processed but that the dose is below the minimum reportable dose. The minimum reportable dose is the minimum dose that can be identified by the dosimeter, and varies with the type of dosimeter and the radiation being monitored.
- NR Not Required means no monitoring was required for that category, or that the dosimeter being reported does not monitor dose in that category.

The annual occupational whole body dose limit (DDE, column 14) is 5000 millirem. The annual eye dose limit (LDE, column 15) is 15000 millirem. The annual shallow dose limit (SDE, column 16) is 50000 millirem. For information on the dose limits and definitions of terms used in this report, the client is referred to Part 20 of Title 10 of the Code of Federal Regulations (10CFR20). Limits for members of the public, minors and declared pregnant workers are different than those listed above.



NVLAP Lab Code 100512-0

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