

Radiation Detection Co | QA Group 0

PIN	NAME	ID SEX	ID NUMBER BIRTHDATE	CALCULATION	DOSIMETER TYPE LOC	WEAR PERIOD	NOTES	NEU	CURRENT DOSE (MILLISIEVERTS)			DOSE THIS YEAR (MILLISIEVERTS)			LIFETIME DOSE (MILLISIEVERTS)			
									DEEP	EYE	SHALLOW	DEEP	EYE	SHALLOW	DEEP	EYE	SHALLOW	
1014	CONTROL																	
				Control	82 CL	01/12/2006-31/12/2006		ND	.10	.10	.10							
1009	ANDERSON ALAN	SSN Male	555661234	Standard	82 CL	01/12/2006-31/12/2006	UNR					.12	.12	.12	.12	.12	.12	.12
1011	DAWSON HARRY	SSN Male	555661235 06/14/1968	Standard	82 CH	01/12/2006-31/12/2006			.12	ND	ND	.36	ND	ND	.60	ND	ND	
				Standard	05 RU	01/12/2006-31/12/2006		NR	.12	ND	.10			.30			.50	
1021	GONZALES SUSAN	SSN Female	555661236 11/18/1976	Standard	82 CH	01/12/2006-31/12/2006			1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
1007	JOHNSON BOB	SSN Male	555661233	Standard	82 CL	01/12/2006-31/12/2006			.15	.15	.15	.41	.41	.41	.67	.67	.67	
1008	LEE LORETTA	OTH Female	65125784 11/23/1972	Standard	82 CL	01/12/2006-31/12/2006			.11	.11	.11	.33	.33	.33				SEE MULTIGROUP
1002	RICHARDS CECIL	SSN Male	555661232 02/02/1980	Webster1	82 CL	01/12/2006-31/12/2006			.03	.10	.10	.03	.10	.10	.03	.10	.10	
1001	WILLIAMS WILMA	SSN Female	555661231 05/27/1974	Webster2	82 CL	01/12/2006-31/12/2006			.25	.70	.70	.75	2.10	2.10	.75	2.10	2.10	
				Webster2	82 WS	01/12/2006-31/12/2006			.15	.15	.15							

Explanation of Notes
UNR UnReturned Badge

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MultiGroup
*The following wearers have been monitored in multiple wear groups.
 This section summarizes the results from all wear groups for each wearer.*

PIN	NAME		DOSE THIS YEAR (MILLISIEVERTS)			LIFETIME DOSE (MILLISIEVERTS)		
			DEEP	EYE	SHALLOW	DEEP	EYE	SHALLOW
1008	LEE LORETTA	<i>Body dose</i>	.69	.69	.69	.69	.69	.69

ALARA Notifications
*The following wearers have received a dose that exceeds an ALARA threshold.
 See the threshold values on the final page of this report.*

PIN	NAME	THRESHOLD		CURRENT DOSE (MILLISIEVERTS)		
				DEEP	EYE	SHALLOW
1021	GONZALES SUSAN	Level I	<i>Body dose</i>	1.25	1.25	1.25

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PIN	NAME	ID SEX	ID NUMBER BIRTHDATE	CALCULATION	DOSIMETER		WEAR PERIOD	NOTES	CURRENT DOSE (MILLISIEVERTS)				DOSE THIS YEAR (MILLISIEVERTS)			LIFETIME DOSE (MILLISIEVERTS)		
					TYPE	LOC			NEU	DEEP	EYE	SHALLOW	DEEP	EYE	SHALLOW	DEEP	EYE	SHALLOW
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

COLUMN

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

COLUMN

- 10 Neutron component of Deep Dose. When the effective energy of neutrons is not provided to RDC, the dose in millisieverts is based on a calibration to a moderated Cf-252 neutron source.
- 11 Deep Dose Equivalent which applies to external whole body exposure and is the dose equivalent at a tissue depth of 1 centimeter (1000 mg/cm²). Dose in millisieverts is reported for photon energies from approximately 10 keV to 6 MeV. Neutron dose is included if present.
- 12 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/cm²). It includes dose in millisieverts for beta particles and photons. Neutron dose is included if present.
- 13 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/cm²) averaged over an area of 1 square centimeter. It includes dose in millisieverts 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.
- 14 Year to Date Cumulative Deep Dose. Neutron dose is included if present.
- 15 Year to Date Cumulative Eye Dose. Neutron dose is included if present.
- 16 Year to Date Cumulative Shallow Dose. Neutron dose is included if present.
- 17 Lifetime Cumulative Deep Dose. Neutron dose is included if present.
- 18 Lifetime Cumulative Eye Dose. Neutron dose is included if present.
- 19 Lifetime Cumulative Shallow Dose. Neutron dose is included if present.

ALARA Notification Threshold Levels : Annualized Values (millisieverts)

	Level I	Level II	Level III
Deep	12.50	25.00	50.00
Eye	37.50	75.00	150.00
Shallow	125.00	250.00	500.00
Extremity	125.00	250.00	500.00

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 millisieverts. 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.



NVLAP Lab Code 100512-0

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