

Reports Overview



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OVERVIEW

This Reports Overview booklet provides descriptions and samples of the reports that are available through your service with Mirion Technologies Dosimetry Services Division.

Mirion Technologies Dosimetry Services Division, featuring the Global Dosimetry Solutions brand provides time efficient monitoring programs tailored to your requirements. Analysis and processing of dosimetry data is based on state-of-the-art dose assessment algorithms, precision processing standards and equipment. Each report is reviewed to ensure complete integrity of the results. Whether you require weekly, monthly or quarterly reports, rest assured that each report will provide complete and accurate information regarding radiation amounts, and individual exposure levels for each badge.

With us, you can always document the radiological safety of your office or operational environment. Every report provides the information needed to meet government regulations. All processing and services are performed at the Dosimetry Services Division headquarters located in Irvine, California. Badge data is stored in archival retention vaults and can be re-evaluated if necessary.

When you select Mirion Technologies Dosimetry Services for your dosimetry program you will be working with a company that has been creating custom solutions to meet the needs of its customers for the past 35 years.

REPORT DESCRIPTIONS

OCCUPATIONAL RADIATION EXPOSURE

The Occupational Radiation Report is the standard report for dose reporting. This report lists all personnel in a company or institution by location for which badges have been returned for processing. The report includes the monitoring period, the dose equivalent for the current monitoring period, quarter to date, year to date and lifetime to date dose for each returned badge.

ALARA EXPOSURE

The ALARA Exposure report is used by Radiation Safety Officers (RSO) or account authorized representatives to evaluate the dose segregation for monitored individuals who exceed default Level I or Level II quarter to date or year to date dose thresholds, or facility specified threshold values. The report also provides the percentage of the regulatory limit the quarter to date or year to date dose values represent. This report only includes individuals who exceed the threshold dose values.

ALARA LETTER

The ALARA letter details the same information as the ALARA Exposure Report but in a printed letter format. The RSO can provide this letter to the wearer.

HISTORY DETAIL

The History Detail Report illustrates the dose history detail by wearer, badge type, wear date, and process number. The report is generally generated as a spreadsheet and can be used to quickly review the detailed processing history of an individual.

ANNUAL INDIVIDUAL SUMMARY FORM 5

The Annual Form 5 Report is for a specific individual and provides the following:

- Deep dose equivalent
- Shallow dose equivalent whole body
- Eye dose equivalent to the lens of the eye
- Shallow dose equivalent maximum extremity
- Total effective dose equivalent

- Total organ dose equivalent for a specific monitoring period
- Specific internal dose to organs (if provided by the facility)

This report by default is for the current year to date, but is also available each quarter with year to date information.

STATISTICAL SUMMARY

The Statistical Summary Report provides a breakdown by dose levels (deep dose reported in Rem) the number of dosimeter reported doses within each level. The report can be prepared to reflect a single location or all locations. If a person wears two dosimeters, each dosimeter's cumulative dose will be categorized into one of the dose levels. Therefore, this report does not provide the number of individuals in each level, rather the number of dosimeters reported.

TOTAL DOSE

The Total Dose Report is a report that provides the total dose received by an individual during a time specific period from all accounts or locations monitored for the individual. The report may also provide lifetime data if that information is provided to the current service provider. Due to State and Federal Privacy Act requirements, the facility's authorized representative and the individual monitored are required to sign a waiver form in order for the individual's dose history to be included in the Total Dose Report.

DOSE MANAGEMENT

The Dose Management Report consists of three separate reports:

1. The Individual Summary Report- provides information on the number of dosimeters returned for processing for each wearer by dose type. Results are summarized per wear period.

REPORT DESCRIPTIONS cont.

- 2. The Location Summary- provides the same information as the individual report, but includes data on the average dose per dosimeter reported by type for each specific wear period.
- 3. The Account or Facility Summary Reportprovides information on the number of dosimeters returned for processing for each wearer and reported for each dose type. Results cover per month, quarter and year, for the entire account, average dose per dosimeter reported, and various dose type reported for each specific wear period.

PRELIMINARY RADIATION EXPOSURE

For emergency situations, the Preliminary Radiation Exposure report can be provided for informational purposes only to a client prior to receiving the official Occupation Radiation Exposure Report.

DOSE ADJUSTMENT CONFIRMATION

The Dose Adjustment Confirmation Report includes documentation verifying a change in dose history since the last Occupational Radiation Exposure Report was provided to the facility. Upon receipt of a written request by the Radiation Safety Officer or account authorized representative; an adjustment to the dose history is noted to reflect the requested change. A confirmation report letter is generated indicating the reason for the dose adjustment, i.e., a dose has been estimated, lifetime history added, dose transfer or change of dose for a specific wear period for an individual.

DOSE ESTIMATE

The dose estimate program can automatically assign a dose to a monitored individual in the event the routine personal monitoring dosimeter is not returned for processing. The dose estimate program will provide a Dose Estimate report for a dose for the current year only. The estimate is based on the average of the 3 most recent doses reported. The program will not go back to prior years.

ANNUAL ACCOUNT SUMMARY

This report summarizes results for each individual in an account who had at least one badge returned for processing during the year. Results cover the year to date deep, eye, and shallow doses for each person, as well as the lifetime deep dose to date. Additional information about the wearer includes:

- Social security number or birth date
- Sex
- Badge type used
- Body region covered
- Type of service
- First and last day of the previously reported monitoring period

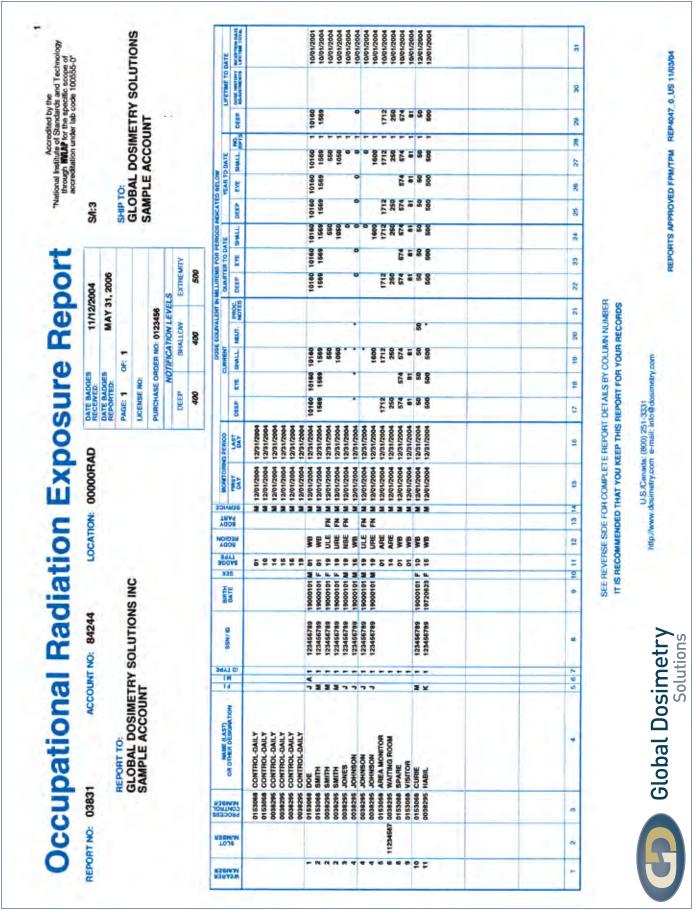
UNRETURNED BADGE

The Unreturned Badge report provides a detailed listing of those badges not returned and not scanned back into the system. This report is useful for clients to determine which badges have not been returned at the end of a wear period. The report can be accessed by an online registered user for quick review and printing.

ENVIRONMENTAL MONITORING

This report provides a complete listing of locations and reported exposures. A control value is usually not subtracted. The Environmental Report can be customized to meet the reporting needs of the facility, including exposure per standard month or quarter. This information can be useful when comparing data from other agencies or across several years.

Occupational Radiation Exposure



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REFERENCES

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ALARA Exposure Report

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Global Dosimetry Solutions

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Global Dosimetry Solutions

SEE REVERSE SIDE FOR COMPLETE REPORT DETAILS BY COLUMN NUMBER IT IS RECOMMENDED THAT YOU KEEP THIS REPORT FOR YOUR RECORDS

U.S.Camathr (800) 251-3331 http://www.doalmetry.com e-mail: into@doalmetry.com Worldwide: (949) 419-1000

REPORTS APPROVED FPM/TPM REP4038_0_US 12/05/2006

Processing Facility 2652 McGaw Avenue Irvine, CA 92614

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NOV 13, 2006

TO DOE JOHN Customer #

FROM: Radiation Safety Officer Location #

SUBJECT: Personnel Monitoring ALARA Report Report No. D

The purpose of the ALARA Radiation Program is to maintain radiation exposures to the employees "AS LOW AS REASONABLY ACHIEVABLE" (ALARA). The radiation safety program at GLOBAL DOSIMETRY SOL strives to athieve this concept by maintaining radiation levels well below the allowable limits set by the Nuclear Regulatory Commission under 10 CFR 20, the appropriate state limits and other regulatory agencies.

The following table lists our facility's Level 1 & 2 investigational levels a displays exposure exceeding any specific limit for GUr 3 (noted with a)

Investigation Levels (mrem) Exposure Type		ter 3 Actual	Cummulative for Level 1	Year 2006 Actual
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Whale Body Deep (DDE) Effective Dose Equivint(EDE)	375	713 *	1500	1427
Lens of Eye (LDE) Whole Body Shallow (SDE-WE) Whole Body Extremity (SDE-ME	1125 3750 3750	760 758	4500 15000	1580 1614

Allowable Limits Nuclear Regulatory Commission States (as appropriate)

Whole Body Deep (DDE)	5000 1	nrem/year	1250	mrem/quarter
Lens of Eye (LDE)	15000 (mrem/year	1250	mrem/quarter
Shallow-Whole Body (SDE-WB)	50000	mrem/year	7500	mrem/quarter
Shallow-Extremity (SDE-ME)	50000	mrem/year	18750	mrem/quarter

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REP4111_0

History Detail Report



GDS FORM 5: OCCUPATIONAL EXPOSURE RECORD FOR A MONITORING PERIOD

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B. LOCATION NUMBER 00000RAD	HESS					
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6. MONITORING PERIOD 7. LICENSEE NAME GL FIRST DAY 10/01/2001 LAST DAY 12/31/2004	GLOBAL DOSIMETRY SOLU	OLU OLU	8. LICENSEE NO(S). 9A.	4O(S). 9A.	RECORD/ ESTIMATE RECORD	98. ROUTINE/ PSE ROUTINE
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Global Dosimetry Solutions, Inc.

ttp://www.dostmetry.com e-mail: info@dostmetry.com

REPORTS APPROVED FPM/TPM FORM 4153 07/29/2004

INSTRUCTIONS AND ADDITIONAL INFORMATION PERTINENT TO THE COMPLETION OF GDS FORM 5 (All doses should be stated in rems)

Account Number: Unique tracking number permanently assigned to a facility.

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- Location Number: Specific location within a facility's account.
- Facility, Name and address for which account number is assigned.
- Badga Number: Unique individual number assign within an account to a specific person or other designation
- Type or print the full name of the monitored individual in the order of last name (include "1", "5", "11" ato.) first name, middle initial (if applicable). -
- Enter the Inividual's identification number, including punctuation. This number should be the 9-digit social security number if at all possible, if the individual has no social security number, enter the number from another official identification as a passport or work permit.

N

- Enter the code for the type of identification used as shown below: eri
- U.S. Social Security Number Paraspor Number Canadian Social insurance Number Work Permit Number WDEX identification Number Other DIYPE CODE
 - Enter the sex of the individual being monitored.

4 10 6

- Enter the date of birth of the individual being monitored in the format MADDOYYYY.
- Enter the monitoring period for which this report is filed. The format should be first day MANDD/YYYY last day MANDD/YYYY.
- Enter the name of the licensee. K.
- Enter the NRC license number or numbers. 6
- A. Enter either Record or Estimate. Choose

 "Record" if the doce data fished represent a final
 obtermination of the doce received to the best of
 the licensee's knowledge. Choose "Estimate" only
 if the isted dose data are preliminary and will be
 supersoded by a final determination resulting in a
 subsequent in sport. An example of such an
 instance would be does data based on self-reading
 to-sunder results and the licensee intends to assign
 the record doce on the basis of TLD results that
 are not yet available. 96
- Enter either Routine or PSE. Choose "Routine" The data represent the results of monitoring for routine exposures. Choose PSE if the listed dose data represents the results of monitoring of 98

planned special exposures received during the monitoring period. If more than one PSE was received in a single year, the licensee should sum them and report the total of all PSEs.

- Enter the symbol for each radionactide that resulted in an internal exposure recorded for the individual, using the formal "XX+etex," for instance, Cs-137 or Tc-98m. Licenses to provide data) 8
- Enter the lung clearance class as listed in Appendix B to 10 CFR Part 20.1001-2401(D,W.Y.V or O for other) for all intakes by inhalation.(Licensee to provide data.) 108
- Enter the mode of intake. For inhalation, enter TH' For absorption through the skin, enter 'B'. For oral ingestion, enter 'G'. For injection, enter 'J.' (Licensee to provide data.) 8
- Enter the intake of each radionuclide in uCi. (Licensee to provide data.) 9
- Enter the deep dose equivalent (DDE) to the whole body ÷
- Enter the eye dose equivalent (LDE) recorded for the lens of the eye. 2
- Enter the shallow dose equivalent recorded for the skin of the whole body (SDE,WB). 13 #
- Enter the committed effective dose equivalent (CEDE) or "NP" for "Not Galculated". (Licensee to provide data.) Enter the shallow dose equivalent recorded for the skin of the extremity receiving the maximum dose (SDE.ME). 15
- Enter the committed dose equivalent (CDE) recorded for the maximally exposed organ or "NR" for "Not Required" or "NC" for "Not Calculated", (Licensee to provide data). 16
- Enfor the total effective dose equivalent (TEDE). The TEDE is the sum of items 11 and 15. 2
 - 49
- Enter the total organ dose equivalent (TODE) for the maximally exposed organ. The TODE is the sum of items 11 and 16. 19
- COMMENTS, in the space provided, enter additional information that might be needed to determine complance with limits. An example might be to enter the note that the SDE.ME was the result of exposure from a discrete hot particle. Another possibility would be to indicate that an overexposed report has been sent to NPC in reference to the exposure report. (Licensee to provide information.)
- Signature of the person designated to represent the licensee 8 2
 - Enter the date this form was prepared MMDD/YYYY.

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C 552a(e)(3), enacted into law by Section 3 of the Phytocy Act of 1974 (Fublic Lew Sc-5/9), the following statement is furnished to individuals who supply information to the U.S. Nuclear Regulatory Commission on NRC Form 5 or its equivalent. This information is maintained in a system of records designated as NRC-27 and described at 55 Federas Regulatory Commission in Federal Regulatory Commission in The MDC Fublic Document Room, Gelman Building, Lower Level, 2120 L. Street NW, Washington, D.C.

- AUTHORITY: Sections 53, 63, 65, 81, 103, 104, 161(b), and 161(a) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2073 2093, 2095, 2111, 2133, 2134, 2201(b), and 2201(c)). The authority for soliciting the social security number is 10 CFH Part 20.
- PRINCIPAL PURPOSE(S): The information is used by the NHC in its evaluation of the risk of radiation exposure associated with the licensed activity and in exercising its standardy responsibility to monitor and regulate the salivity and in exercising its standardy responsibility to monitor and regulate the salivity and health practices of its licensees. The data permits a meaningful comparison of both current and long-term exposure experience among types of licensees and among licensees within each type. Otals pertinent to your exposure to radiation is available to you upon request. N
- ROUTINE USE(S):The information may be used to provide data to other Federal and State agencies involved in monitoring and/or evaluating radiation exposure received by individuals employed as radiation workers on a permanent or temporary basis and exposure received by monitored wistors. The information may also be desclosed to an appropriate Federal State, or local agency in the event the information indicates a wellulion or potential evolution of the province of an administrative or judical or potential evolution of the potential evolution or potential workstance of an administrative or judical or potential workstance. ei
- WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL. OF NOT PROVIDING INFORMATION.

 It is violatingly that you furnish the requested information, including access security number. However, the iteratested information, including access security number. However, the iteratested must complete NHCT form 5 or its required no each individual for whom personnel monitoring is required under 10 CFR 20.2106. Failure to do so may subject the iterates to enforcement action in accordance with 10 CFR 20.2401. The accisal security number is used to assure that NHC has an accourate identifier not subject to the recruitment action in which in an accourate identifier not subject to previous on whitm values or beinfudates among the large number o persons on whom data is maintained. 4
- SYSTEM MANAGER(S) AND ADDRESS: REIRS Project Manager Office of Nuclear Regulartory Research U.S. Nuclear Regulatory Commission Washington, DC 20555

This form contains the information required by NPC Form 5. Data used to complete columns 10A, 10B; 10C, 10D, 15; 16; 17; 18 and 19 has been provided by the literase or the centifying organization.

Statistical Summary Report



MAY 31, 2006

STATISTICAL SUMMARY REPORT PAGE # 1

ACCT # 84244 - LOCN # ALL REPORTING YEAR 2004

GLOBAL DOSIMETRY SOLUTIONS INC SAMPLE ACCOUNT

RANGE OF EXPOSURE IN REM #	NUMBER OF INDIVIDUALS
NO MEASURABLE EXPSR **	1
MEASURABLE EXPSR < 0.10 ***	2
00.10 - 00.25	0
00.25 - 00.50	O
00.50 - 00.75	2
00.75 - 01.00	0
01.00 - 02.00	1
02.00 - 03.00	0
03.00 - 04.00	0
04.00 - 05.00	0
05.00 - 06.00	0
06.00 - 07.00	0
07.00 - 08.00	0
08.00 - 09.00	0
09.00 - 10.00	0
10.00 - 11.00	1
11.00 - 12.00	0
12.00 +	0
TOTAL	7

* EXPOSURES REFLECT DEEP DOSE FROM INDIVIDUALS (WHOLE BODY) DOSIMETER. INDIVIDUAL VALUES EXACTLY EQUAL TO THE VALUES SEPARATING EXPOSURE RANGES SHALL BE REPORTED IN THE HIGHER RANGE.

** NO EXPOSURE IS EQUIVALENT TO LESS THAN THE MINIMUM REPORTABLE DOSE (MRD)

*** MEASURABLE EXPOSURE < 00.10 REM IS REALLY THE RANGE DO. 01 - 00.10 REM

REP4108_0

Total Dose Report

metry	lutions
al Dosim	Sol
Global	
6	

TOTAL-DOSE-SYSTEM PAGE #

15:25:03

2006

PLEASE NOTE:
THIS REPORT IS PROVIDED TO ASSIST YOU IN COMPLIANCE
WITH STATE AND FEDERAL REDULATIONS ONLY. IT IS NOT
INTENDED TO BE USED FOR ANY OTHER PURPOSE

THE IMPORMATION PROVIDED MAY REFLECT EITHER CONCURRENT AND/OR PRIOR EXPOSURES DURING THE REPORTING YEAR.

IF AN INDIVIDUAL IS MONITORED WITH A NON-ODS DOSINETER. THE RESULTANT EXPOSURE HISTORY MAY NOT BE INCLUDED ON THIS REPORT

CA92614

IRVINE

ATTN TRACY TIEU 2652 MCGAW AVENUE

* THIS DOSE IS EQUAL TO THE DEEP DOSE REPORTED. UNLESS, INTERNAL DOSE HAS BEEN PROVIDED

REPORTING YEAR 2006 - GUSTOMER # 77580 LOCATION # 000000PT

Life States Street	LAND WEAREN	ш	-	1		-	READ	0 2	- IN -	MARM		-
NUMBER	NAME	1	N-NOUREN	1	MCLIVE	DEER	EVE	TYP ACITY DEEK EYE BRAILOW EDE MAX-EXT TEDE* 100E*	EDE	MAXIEX	TEDE	100E*
-1	U HTIMS	1	11-22-4444	SSN	YES	81	90	105	œ	0	81	B
1.1	TIEU	**	11-22-4444	SSN	YES	81			m	0		
40	D HIME	1 7	J111-22-4444 BSN	NSS	YES	18	96	105	B	0	81	18
41	BRITH	1	J 111-22-4444	NBS	YES	BI	96		m	0	81	

******* ACCDUNT TOTALS *******

WEARERS SELECTED 54

REP4083

Dose Management Individual Summary

Account: 84244	Radon Type	add a Rea			OIWB	00000	19ULEFN	a popular	19NSEFN			16WB	
Account: 84244 GLOBAL DOSIMETRY SOLUTIONS INC			0873-44-FC1 GAS	Deep	Shallow	2000	000000RAD 123-45-6789 Extremity	NEW 122 AE 6700	Extremity	000000RAD 123-45-6789	Eye	Shallow	
METRY	Cel	100		20		20	50	20	40		70	20	
SOLUT	Fah	2	1 204	10	10		SMITH M		10	JOHNSON	2 9	0 0	
LIONS	Mar	1000		30	30		30		30	ח	30	30	
NC		1		20	20	20	20	70	70		0 2	70	
Month in 2008	Mark	may	Indiv	10	10	10	10	10	10		0 0	0 0	
Att	-11	100	Individual Summary	10	10	10	10	10	U				
ention	ful.		umma		30			20 1			30 40	30 40	
IC Attention: SAMPLE ACCOUNT	П	Mug	7		40 10	40 10		10 10			0 0		
E ACC	ŧ.	dac											
OUNT	- 10	OCT NOV			10 10			30 10			10 10		
	0			*		*		10			0 0		
	YTO			200	200	200	220	190	110		700	200	
-		One			09			09	80			8 09	
8	Quarte	Two			40			40	30		30		
	Quarterly Dose	Three		80	80	80	30	40		(08 08	80	
		Pear		20	20	20	50	20		(30	30	

Dose Management Location Summary

arki akono	Accessed Daniel Dudme				l	Account of the last
4	Average Losewoadge	Jan Feb Mar Apr	May Jun Jul Aug Sep	Oct Nov Dec	Total	Two Three Fox
A STATE OF THE PARTY OF THE PAR			Location Summary			
Collective Dept dose	spt dose - 00000RAD	Q.				
# Dosimeters/Reported 01ARE Deep Deep/Badge	rs/Reported Deep Deep/Badge			1712	1712 1712.0	1712
# Dosimeters/Reported 01ARE Shallow/Badge	s/Reported mallow mallow/Badge			1712	1712 1712.0	1712
# Dosimeters/Reported 01WB Deep Deep/Badge	3/Reported sep sep/Badge			3605.0	3 10815 3605.0	10815
# Dosimeters/Reported 01wB Eye Eye/Badge	rs/Reported Bye Bye/Badge			10815	3 10815 3605.0	10815
# Dosimeters/Reported 01WB Shallow Shallow/Badge	s/Reported			10815 3605.0	3 10815 3605.0	10815
# Dosimeters/Reported 10wB Deep Deep/Badge	rs/Reported Deep Deep/Badge			50.0	50°.0	50.05
# Dosimeters/Reported 10WB Eye Eye/Badge	Eye/Badge			50.0	50.0	50.05
# Dosimeters/Reported 10WB Shallow Shallow/Badge	/Reported wallow wallow/Badge			50.0	50.00	50.05
# Dosimeters/Reported 10MB Neutron Neutron/Badge	/Reported ntron ntron/Badge			50.00	50.0	50.03
# Dosimeters/Reported	/Reported			1	1	

Dose Management Account Summary

Badge Type	Average Dose/Badge	Jan Feb	Mar	Apr Mar	May Jun Jul	I Aug	Sep	Oct Nov [Dec	200	Quarterly Total
			1	1	Š	mary				1	100
Collective Account dose	count dose										
# Dosimeters/Reported 14ARE Shallow Shallow/Badge	/Reported allow/Badge							250.0		250.0	250.0
# Dosimeters/Reported 15WB Deep Deep/Badge	rs/Reported Deep Deep/Badge							500.0		500.0	500.0
Dosimeters/Reported 15WB Bye Eye/Badge	rs/Reported Eye Eye/Badge							500.0		500 500.0	500
# Dosimeters/Reported 15WB Shallow Shallow/Badge	/Reported allow allow/Badge							500.0		500.0	500.0
# Dosimeters/Reported 15WB Neutron Neutron/Badge	/Reported utron utron/Badge							0	400	100.0	0.0
# Dosimeters/Reported 16WB Deep Deep/Badge	/Reported ep ep/Badge							0	400.	100.	0.0
# Dosimeters/Reported 16WB Eye Eye/Badge	ers/Reported Eye Eye/Badge							0	100	1000	0.0
# Dosimeters/Reported 16WB Shallow Shallow/Badge	/Reported allow/Badge							6	H00	100.0	0.0
# Dosimeters/Reported 16WB Neutron Neutron/Bad	rs/Reported Neutron Neutron/Badge							0	400	100.	0.0
# Dosimeters/Reported 19NSEFN Extremity	/Reported tremity								10	10	0

GLOBAL DOSIMETRY SOLUTIONS INC SAMPLE ACCOUNT

ARMALE EXPOSE TE REPORTED. As dementers have a maximum teached between the property of the pro GENERAL INFORMATION

CORE ECLINAL ENT: The product of the absorbed dose in tissue, quality feator and at other necessary modifying featon at the location of internal.

XTERVAL DOSE: That portion of the dose equivalent received from radiation sources outside the body.

Coupation doe does not belook bestellen of the Kentee or other press pades from the class or belook best selected from belopping indistron pades from the class practices, born valuety participation in metical mass progerity, or so a marker of the general public. CCCLPATIONAL DOSE: Dase received by an individual in a restricted sees or in the course of employment in which the individual's assigned dution investments to radiation and to redouctive melessis from Reprint and unknown

EXTREMETY: Hand, allow, arm below the allow, look, knee or leg below the less MHOLE BODY: Head, trust, aims above the abov, legs above the lones

DEEP DOBE EQUIVALENT: DDE incremental measurement to rean tor dobe equivalent et a fissue depth of 1 cm (1000 mplomP); applies to whole body

EYE DOSE EQLIVIAL BYT. LDE incremental measurement in rom for dose equivalent at a traverse displayed of 0.3 cm (300 mg/cm²); applies to entermal exposure of the time eye.

IGHALOW DOSE EQUIVALENT: SDE - WB incremental measurement in remited dose equivalent at a tissue depth of 0.007 cm (7 ingrim?); signless to shallow dose of whole body.

9-PALLOW DOSE ECLIMALEM! SDE - E incremental measurement in rem for dose equivalent at a tissue dopt of 0.007 on (Trigitim?); applies to shallow dose

TEC-NECAL DATA: GDS performs calibrations of its determiny systems that we the seader to NET and the according by the fusional trafficial of therefore and Tetracially traces; NALAP:

Global Dosimetry has derron

Global Doubrety has demonshated satisfactory performence in excepture with the version of ARS INT L1 Chines for Trailing Personnel Doubrety Performence. DOEGEH-ROOZ - LOCK sakedard for the Performence Teating of Personnel Colombit Palvant. 7500 mmmmgr 16,750 mmmge 1250 memili 1250 meemige STATE LIMITS: (If applicable 10 CFR 20 LIMITS 15,000 mem/year 8000 mremyess 60,000 mem/year 50,000 members Whole Body: Lans of aye. Serv SDE

REPORT IDENTIFICATION SECTION

Account - Unique demilifié quartier permanenty malgrad to facility.
Entireton - Advisous to whom the report is sent.
Entireton - Advisous to whom the report is sent.
Entireton - Extra - Extra India and Control malgrad antifer an account

Non-Personnel Slavk Not Stanfford Monitored Part of Body ******

INDIVIDUAL BUIMMARY REPORT

The freekfall Sammery Regard provides information on the number of distintities returned for processing the such weater and reported for each Dose Types, and for every west poting, i.e., mostly, quarter and year, as appropriate

Couldon - Unique identifying location permanently assigned to facility for inclinious grouping

Personal ID - The individual's identification number provided by the facility Dose Type Deep - Deep Dose Equivalent (DDE) incremental matanumment in nem for dose equivalent at a tissue depth of 1 cm (1000 mg/cm/D) which applies to whole body encourse.

Figs - Lens Dose Eighwider (LTE) incontrained measurement to retrible date equivalent als Research addition of LDE on (200 mg/cm/2) which applies to enterrain appears of the lens of the sys.

Shalow - Shalow Dose Equivalent (SDE) incremental measurement in rem for dose agreement at a facuse depth of 0.007 cm (7 mg/cm?) which applies to shalow dose of whole body.

EDE - Effective Dose Equivalent (EDE) dose weighted makeurement in ven for dose equivalent at a losse degre of 1 cm; (foot myzerr?) which applies to whole body, based on regalatory approved methodologies. Constrict - Stadiow Cook Equivalent (SDC 44E) incremental measurement in result for Observation at a Base depth of 0.007 cm (T reptembly) which applies to abalicate does of the estimates in a stadion.

Moreth Dose - For each employee number where there were dosimeless intumed for proceeding there is a specific first item with the dose in milliversa reported, for each Bedge Type and Dose Type wom during the month.

Does Total Total To each strategies nutrition where their were distributes seatened to possessing. Been as a specific rate from with the curristine does in efficient reporting the curristine does in efficient reporting the curristine does in efficient reporting the curristing the curried year.

Outside Dougle For each employee started where these were documents return to processing these in a special line interval the companies does in millerin. To proceeding the size is backet from and Dose Type were darkey the special to question.

LOCATION SUMMARY REPORT

Badge Type

The Localion Surremy Paport provides information on the further of chairmain restment for processing entergened for such Dook Type. It was not provided include the restriction and year. Other information provided includes the restriction door and chairmain reported includes the restriction door and chairmain reported for the various door type reported for each apositio west

Deep - Deep Dose (figuresised (DOII) konservanis messarement in sen for dose equivalent in a liseux digith of 1 om (1000 regions) which applies to whole loofs regionare. Dose Type and Average Dose for each Dose Type for dosimeters reporter

Despitadge - Average Desp Dose Equivalent per dosimite

Eyo - Leve Doue Equivident (LEC) incremental medicinement in real for done equivient da faces depth 40.5 cm (300 mg/am/2) which applies to enternal expount of the fens of the eyo.

Ghallow - Shallow Doca Equivalent (SDE) incremental measus entered to rem for doca equivalent at a fasse display of 0.007 cm;? region D) which applies to shallow display of white body. Eya/Badge - Average Eye Dose Equivalent per dosimeter reported

EDE: - Effortive Obea Equivalent (EDE) dass weighted measurement to rem for dass expressed at a listue organ of it cm (1000 mg/cm/2) which applies to whole body, based on regulatory approved memoratinges. Shallowilladge - Average Shallow Dose Equivalent per dosimaler reported

Exterrity - Wholese Doze Equivalent (SDE AME) incremental measurement in rem for doze equivalent at a faster depth of 0.007 cm/7 regionn?) which applies to shallow doze of the exterrity. EDE/Badge - Average Effective Dose Equivalent per dosimeler reported

Intremity/Badge - Average Shalow Dose Equivalent per dosimater reported

FACEUTY SUMMARY REPORT

The Faulty Summary Report provides information on the number of doshmeters restricted for processing and reported for each Dose Type, for each month, quarter and year, but the entire account, evening dose per doshmeter reported, and for the various dose type reported for each specific west period.

Deep - Deep Dose Equivalent (DDE) incremental measurement in rem for dose equivalent at a tassus depth of 1 cm (1000 mg/cm/2) which applies to whole body Dose Type and Average Dose for each Dose Type for dosine/are reports

Eye - Leva Ocos Egybrakof R.DEJ kozervniški melakuremed in sem for deke egypraken a a kosus degin in 613. cm (300 mijkaniti) artich applies to emismal esperaken pid the lans of the eye. Despilibulge - Average Desp Dose Equivalent per dosimeter reported

Shabow - Shabow Done Eguinelem (SEE) betermental mesaurament in rem for done advanted at a little and opplind of 0.007 cm (? mg/cm?) which applies to shallow done of winde body. Eyettiadge - Average Eye Doae Equivalent per doairrake reporte

StationsBadge - Average Strakow Dose Equivalent per dostrater reported

EDE - Emerica Cours Espiratean (EDE) dans weigned measurement in remiter does septimient in a bassa apply of 1 cm (1000 region?) which applies to which body. based on regulatory approved methodologies.

Extremity - Statlow Dozee Essivated (SDE-ME) incremental measurement in nem by dose experiment in a taxes ought of 0.007 cm (7 organiz) which explices to shadow dose of the anti-enty. EDE/Badge - Average Effective Dose Equivalent per dosimates reportes

Exterrity/Badge - Average Shalow Dose Equivalent per dosimeter reported

'C' Code - A 'C' in the dose column refers to a cancelled badge

Page 1 of 1 REP4126_0

It Location ID Wearer Type Badge Use Region Body Part Number Serial Note Dose Equivalent (mark language) 00000RAD 19 20041201 C 20041201 20041201 C 20041201	5/18/2006				Ā	eliminary	Radiati	Preliminary Radiation Exposure Report	ure Rep	ort		0.	Process Number		0038295
00000RAD 19 20041201 C 08155299 0709950B 00000RAD 16 20041201 C 02262357 09274912 00000RAD 15 20041201 C 02119307 09104828 00000RAD 2 14 20041201 C NE FN 04900345 07732327 00000RAD 2 19 20041201 P UE FN 08155301 07045178 P 00000RAD 3 19 20041201 P UE FN 08155302 07045178 P 00000RAD 4 19 20041201 P UE FN 08155302 0704518 P 00000RAD 4 19 20041201 P UE FN 08155304 07041548 P 000000RAD 4 16 20041201 P WB NB 08155304 07041548 P 000000RAD 4 16 20041201 P WB <th>ccount</th> <th>Location ID</th> <th></th> <th>Badge</th> <th>Wear Date</th> <th>Badge Use</th> <th>Body Region</th> <th>Body Part</th> <th>1000</th> <th>Badge ID</th> <th>Note Code</th> <th>Deep</th> <th>se Equiv</th> <th>Shallow</th> <th>n) Neutron</th>	ccount	Location ID		Badge	Wear Date	Badge Use	Body Region	Body Part	1000	Badge ID	Note Code	Deep	se Equiv	Shallow	n) Neutron
00000RAD 16 20041201 C 02119307 09274912 R 00000RAD 15 20041201 C 02119307 09104828 R 00000RAD 2 19 20041201 C NRE FN 08155301 07136907 00000RAD 2 19 20041201 P ULE FN 08155302 07045178 00000RAD 3 19 20041201 P ULE FN 08155302 07049179 00000RAD 4 19 20041201 P ULE FN 08155302 07049179 000000RAD 4 19 20041201 P ULE FN 08155302 07041548 00000RAD 4 16 20041201 P WB 03262358 09005819 * 00000RAD 4 16 20041201 P WB 04900346 07041548 * * 000000RAD 14 16 20041201 <t< td=""><td>84244</td><td>00000RAD</td><td></td><td>19</td><td>20041201</td><td>0</td><td></td><td></td><td>08155299</td><td>07099508</td><td>1</td><td></td><td></td><td></td><td></td></t<>	84244	00000RAD		19	20041201	0			08155299	07099508	1				
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	244	00000RAD	11	15	20041201	۵	WB		02119308	09273430		900	900	200	٠

-Lower than mininum reportable dose + - Unusual Response

Dose Adjustment Confirmation

	Batch Rainelli Commination
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Dose Estimate

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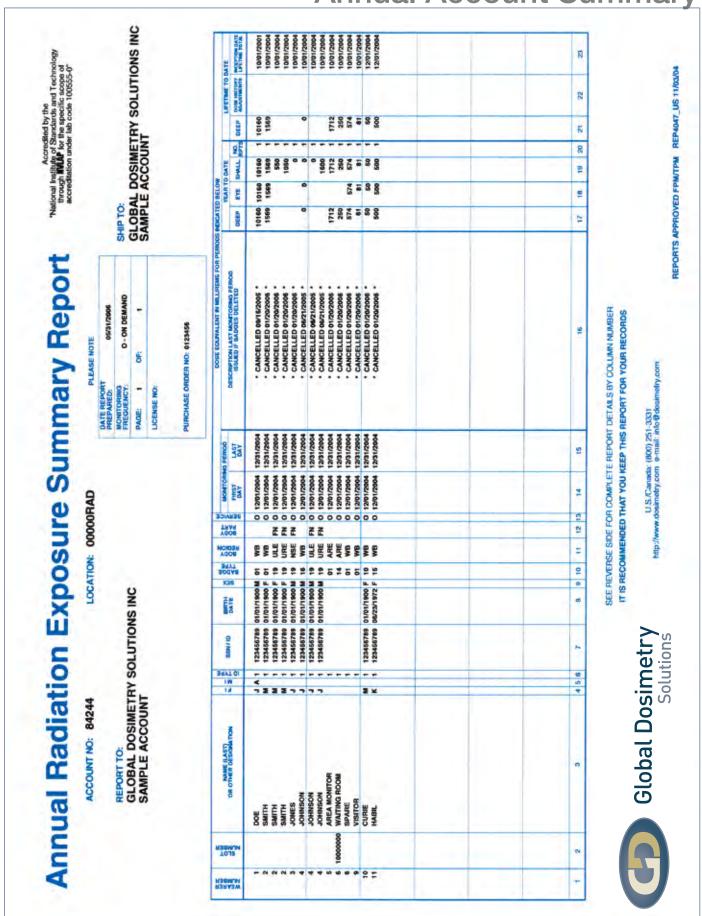
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REPORT IDENTIFICATION SECTION

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Annual Account Summary



DOGINETER AND EXPOSURE HISTORY SECTION - CONTINUED Previous (Milms down)) and date of houghton have been supplied by the customer, other changes have also been made. COLLABIT to . Eye Considers practic date total for all whole body discerniess reported in protein prec. COLLAN ID - Inception Date of Likelines Yout Date shown in sterring date of service with Global Dosimery or actual Retime start date I date supplied by customs. This report is bresided to you under the provisions of the Much Regulatory Commission regulation 10 CFR part 18. You should preserve this report for further retirements. Exposure Data "proclete guidance on". **Deministry de Audres on the counter incudenty per for all present and not made on the processor of the counter of the form 8. **Audresing an exposure of set become of the form of the annual of hardware or incudency after Form 5. **Augring recents of provinces \$400. Pagaistica and may be obtained homes Superineolect of Doose Government Phinting Othor, Washington, DC 20002 Ask tor 10 CFT Regulatory Quides 6.7 New, 1 frontuctions for Pieconding and Pagorie This report shall not be reproduced except in hal without the writes processing lacility. Letter Adjustment Note Number Paports, Total number of mapor This report must not be used to dain product andon of the U.S. Government. COLUMN 19. COLUMN 20-COLLANY 22 -COLLAMEST 1,0 No desiled Start his identified WEATER DESTURCATION SECTION - CONTINUED DOSMETER AND EXPOSURE HISTORY SECTION DOLLIMA 11 - General region of the body to be received if doubted analysed to personnel. This column also reflects non-use of a dominate: Frequency of Dosimeter Exchai Monitored Part of Body COLLAN 16 - First and last day for warm had on ossign COLLANY 17 - Deep Carrelative year-10-late total for all re Monitored Region COLLAN 14 - Largh of assigned roombring period COLUMN 14 - First day recolored for current year COLUMN 15 - Last day rechibed hy current year COLUMN 7 - The included in column MI & CW - Whole Both FEDERAL CORT. Child Chemistry partners substantion in the demostry spaces that a constitution of the chemistry spaces that a constitution of the following spaces that a constitution of the chemistry of the chem STATE (MATE), (P. spylesdob) 1200 mentyle 1200 mentyle 1300 mentyle 14,750 mentyle Forest and the state of the sta OCLUMN 1 - Unique inclinition wante numbers assigned within on account. All exposure numbers. NYORAE FEDGREED, As dominates have a minimum threshold of an inflated reporter active the management with addicated accura-tional section. The services with the reporter to As Art TO NYORAE SECTION AND ARTHUR AND ARTHUR AND ARTHUR TO NYORAE SECTION AND ARTHUR AND REPORT IDENTIFICATION SECTION WEARER IDENTIFICATION SECTION GENERAL INFORMATION Wearer ID Type COLUMNS INDE COLUMNS INDE COLUMNS INDE OCKURNIE-B

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Environmental Monitoring Letter



April 07, 2006

GLOBAL DOSIMETRY SOLUTIONS INC SAMPLE ACCOUNT

Dear Jack

Enclosed is your environmental report for the locations, and wear periods listed below reported in units of mR:

Account Location Wear Date 84244 00000DPT 1/1/2006

As a reminder, no background has been applied. Only, fade and reader corrections have been applied. If you have any questions please contact a Sr. Technical Specialist at: (949) 419-1000.

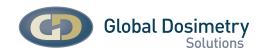
Sincerely,

Sr. Technical Specialist Global Dosimetry Solutions, Inc.

0043466

REP4110_0

Environmental Monitoring



Global Dosimetry Solutions Environmental Report

Account	84244	SAMPLE ACCOUNT
Location	00000DPT	
Monitoring Period	1/1/2006	
Process	0043466	
Arrived at GD	4/3/2006	

Badge Number	Name	Exposure mR
	CONTROL-DAILY	5
	CONTROL-DAILY	5
1	DNTLD33	6
2	DNTLD43	6
3	DNTLD19	6
4	DNTLD42	6
5	NYTLDBK	23
6	NYTLDTC	6
7	NYTLDLC	11
11	DNTLD33	6
12	DNTLD43	6
13	DNTLD19	6
14	DNTLD42	6
15	NYTLDBK	23
16	NYTLDTC	6
17	NYTLDLC	11

Page 1 of 1



^{*-} No control exposures have been subtracted, and only element, reader and fade corrections have been made.

Report Requests

If you have questions about the reports listed in this book, please call (800) 251-3331.

To request a report for your account please contact your customer support representative or your sales representative.



104 Union Valley Road Oak Ridge, TN 37830 USA

U.S./Canada +1.800.251.3331 U.K. 0170.629.9329 Worldwide +1.949.419.1000