

U.S. DEPARTMENT OF ENERGY
ENVIRONMENT, SAFETY AND HEALTH

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Occupational Radiation Exposure
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INFORMATION IQ QUALITY

Radiation Exposure Monitoring System

The Occupational Radiation Exposure Information page on this web page is intended to provide the latest available information on radiation exposure to the workforce at DOE facilities.

In addition, this page is intended to serve as a central location for the dissemination of information concerning the recording and reporting requirements for occupational radiation exposure at DOE facilities.

Only "occupationally" exposed workers are included in the summary data presented here. This does **not** include radiation exposure to the environment or general public (except for those individuals visiting a DOE site that are provided dosimetry by the site).

- **REMS Frequently Asked Questions**
- **System Information**
Information about the REMS System re-engineering
- **REMS Data**
Simple, on-line access to summary REMS data using your web browser.
 - **Be sure to read and understand the Limitations of the Data.**
 - **You should also read the Help Selecting Data information prior to executing a query.**

Go To REMS Data

Helping the Field and Retirees

Latest News
 More News

Events
 2006 Federal Symposium (05/02/06)
 P2 2006 Workshop (05/01/06)
 ISM Works for April, 2006 (04/25/06)

Information
 Lessons Learned
 Daily Occurrence Reports
 Safety Conference

REMS Data Selection

Follow the numbers to select summary data from REMS. If you need assistance, click on **Help**.

Data are draft as of 5/1/06. Data for Argonne National Lab are not yet included.

1 Select Desired Data		2 Sorted By (optional)	
<input checked="" type="checkbox"/>	Total Number Monitored		<input type="radio"/>
<input checked="" type="checkbox"/>	Number With Meas. TEDE Dose		<input type="radio"/>
<input checked="" type="checkbox"/>	Total Collective Dose (TEDE)		<input type="radio"/>
<input checked="" type="checkbox"/>	Average Measurable Dose (TEDE)		<input type="radio"/>
<input type="checkbox"/>	DDE Photon		<input type="radio"/>
<input type="checkbox"/>	DDE Neutron		<input type="radio"/>
<input type="checkbox"/>	SDE-WB (Skin)		<input type="radio"/>
<input type="checkbox"/>	SDE-ME (Extremity)		<input type="radio"/>
<input type="checkbox"/>	CEDE		<input type="radio"/>
<input checked="" type="checkbox"/>	Dose Ranges		

3 Select Data Ranges		4 Select Grouping Order								
		1st	2nd	3rd	4th	5th	6th	7th	8th	9
Year	2005 2004 2003 2002 2001 2000	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Program Office	All Energy Efficiency and Renewable Energy National Nuclear Security Administration Office of Civilian Radioactive Waste Management Office of Environmental Management Office of Fossil Energy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Operations Office	All ALBUQUERQUE CHICAGO DOE HQ FERNALD IDAHO	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Site	All ALBUQUERQUE ARGONNE NAT. LAB. EAST ARGONNE NAT. LAB. WEST ARGONNE NATIONAL LAB BATTELLE MEMORIAL - COLUMBUS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reporting Organization	All Advance Technology Laboratories ADVANCEDMED HANFORD Air Resources Laboratory Airesearch Alaska Power Administration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Facility Type	All ACCELERATOR FUEL FABRICATION FUEL PROCESSING FUEL/URANIUM ENRICHMENT FUSION RESEARCH	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Labor Category	All Agriculture Construction Laborers Management Misc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occupation	All Admin. Support and Clerical Se Bus Drivers Carpenters Doctors and Nurses Electricians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring Status	All ACTIVE EMPLOYEE GOVERNMENT/REGULATORY AGENCY MEMBER OF THE PUBLIC NON-EMPLOYEE RADIATION WORKER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Display Results

Clear Form

REMS Query Results

(All doses in millirem)

1 Record(s) found!

Year	Site	Facility Type	Total Number Monitored	Number with Meas. Dose	Total Dose in (TEDE person-mrem)	Number with Meas. Dose in (TEDE person-mrem)	Total Average Collective Meas. Dose	100	250	500	750	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	Meas. >
2003	LOS ALAMOS NAT. LAB.	WASTE PROCESSING/MANAGEMENT	86	23	13,455	585	63	13	4	3	2	0	0	0	0	0	0	0	0	0	0	1

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Graph Data

[Help Saving Data](#)

REMS Query Results

(All doses in millirem)

1 Record(s) found!

Year	Site	Facility Type	Total Number Monitored	Number with Meas. Dose	Average Dose in (TEDE person-mrem)	Collective Meas. Dose in (TEDE mrem)	Total Number of Meas. Doses	Number of Meas. Doses < 100 mrem	Number of Meas. Doses 100-250 mrem	Number of Meas. Doses 250-500 mrem	Number of Meas. Doses 500-750 mrem	Number of Meas. Doses 750-1000 mrem	Number of Meas. Doses 1000-2000 mrem	Number of Meas. Doses 2000-3000 mrem	Number of Meas. Doses 3000-4000 mrem	Number of Meas. Doses 4000-5000 mrem	Number of Meas. Doses 5000-6000 mrem	Number of Meas. Doses 6000-7000 mrem	Number of Meas. Doses 7000-8000 mrem	Number of Meas. Doses 8000-9000 mrem	Number of Meas. Doses 9000-10000 mrem	Number of Meas. Doses > 10000 mrem	
2002	LOS ALAMOS NAT. LAB.	WASTE PROCESSING/MANAGEMENT	91	16	1,862	116	75	12	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0

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REMS Query Results

(All doses in millirem)

1 Record(s) found!

Year	Site	Facility Type	Total Number Monitored	Number with Meas. Dose	Average Collective Dose (TEDE) in person-in mrem	Number with Meas. Exposure < 100 mrem	Total Number Monitored	Number with Meas. Dose	Average Collective Dose (TEDE) in person-in mrem	Number with Meas. Exposure < 100 mrem
2001	LOS ALAMOS NAT. LAB.	WASTE PROCESSING/MANAGEMENT	104	17	895	53	104	17	895	53

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REMS Query Results

(All doses in millirem)

1 Record(s) found!

Year	Site	Facility Type	Total Number Monitored	Number with Meas. Dose	Number with Meas. Dose in (TEDE)	Average Collective Meas. Dose in (TEDE)	Total Number Monitored	Number with Meas. Dose	Number with Meas. Dose in (TEDE)	Average Collective Meas. Dose in (TEDE)	Total Number Monitored	Number with Meas. Dose	Number with Meas. Dose in (TEDE)	Average Collective Meas. Dose in (TEDE)
2000	LOS ALAMOS NAT. LAB.	WASTE PROCESSING/MANAGEMENT	117	22	1,124	51	117	22	1,124	51	117	22	1,124	51

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REMS Query Results

(All doses in millirem)

1 Record(s) found!

Year	Site	Facility Type	Total Number Monitored	Number with Meas. Dose	Average Collective Meas. Dose in (TEDE in mrem)	100	250	500	750	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	Meas. >
1999	LOS ALAMOS NAT. LAB.	WASTE PROCESSING/MANAGEMENT	131	22	1,808	82	109	15	5	2	0	0	0	0	0	0	0	0	0	0

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Site	Facility Ty	Total Num	Number w	Total Colle	Average Iv	No Meas.	Meas. <	100 - 250	250 - 500	500 - 750	750 - 1000	1000 - 2000	2000 - 3000	3000 - 4000	4000 - 5000	5000 - 6000	6000 - 7000	7000 - 8000	8000 - 9000	9000 - 10000	Meas. >
'LOS ALAN	'WASTE P	2686	552	50612	92	2134	462	55	16	7	6	5	0	0	0	0	0	0	0	0	1

Percentage with measurable dose: 20.55101 %

Source: <http://www.eh.doe.gov/rems/rems/ri.htm>

Query info for obtaining above data:

1. Check Total Number Monitored, Number With Meas. TEDE Dose, Total Collective Dose (TEDE), Average Measurable Dose (TEDE), Dose Ranges
2. Year: 2004 - 1st Grouping Order
3. Site: Los Alamos National Laboratory - 2nd Grouping Order
4. Facility Type: Waste Processing/Management - 3rd Grouping Order